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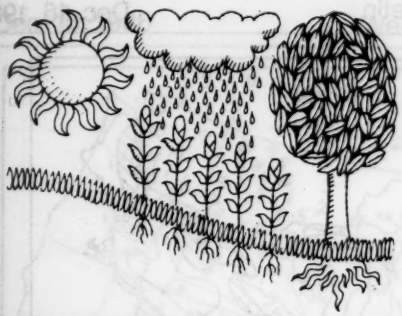

WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration, National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service and World Agricultural Outlook Board

Volume 73, No. 50 Washington, D.C. Dec. 16, 1986

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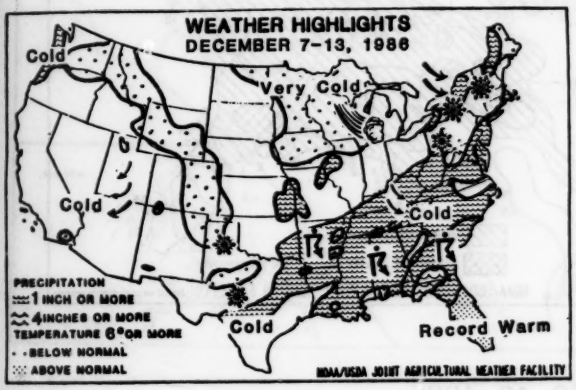
National Weather Summary

December 7 to 13, 1986



HIGHLIGHTS: A storm system moved into southwestern United States, across the south to the lower Mississippi Valley, and then northeastward. The storm triggered rainshowers in the far Southwest, and snow in the central and southern Rockies and central and western Texas. Showers and thundershowers were widespread from Texas through Georgia and from the middle Mississippi Valley to eastern New England. Cold, unsettled weather produced snow from the northern Great Plains through the Great Lakes to western New England. Much cold weather spread over all of the West and into southeastern United States. Strong, gusty wind accompanied the push of cold air over the Nation.

SUNDAY...A storm in the Southwest spread showers from southern California through the southern and central Plains. Some freezing rain fell in the central Plains early in the day. Later, moderate showers fell from northern Illinois through Missouri to Louisiana and into the Tennessee Valley. Another storm, in the Northeast, brought snow from the eastern Great Lakes to the Appalachians and rain to the Ohio Valley.

MONDAY...Snow fell in the central Rockies, the higher elevations of New Mexico, and from central Kansas through the Great Lakes region. Rain covered a large area from New Mexico to Louisiana and northeastward to the mid-Atlantic States and southern New York. Moderate to heavy showers and a few thunderstorms covered the area from northeastern Texas through Tennessee and western Kentucky.

TUESDAY...Snow continued in the central and southern Rockies. Rain was widespread from the middle and lower Mississippi Valley to the Atlantic coast and New England. Heavy showers and thunderstorms reached from central Louisiana through West Virginia. Snow fell in parts of the Great Lakes and New England. Strong, gusty winds brought much colder air behind the line of precipitation.

WEDNESDAY...Freezing rain or snow fell in western Texas, while showers and thunderstorms reached across the South and into the mid-Atlantic States. Light snow fell from the northern Plains through the Great Lakes into New England. Much colder air spread over all of the Nation, except the extreme Southeast.

THURSDAY...More snow fell in central Texas, and showers and thundershowers continued across the South and to the mid-Atlantic States. Showers fell along the new England coast. Snowshowers fell through the Great Lakes and western New York. Cold rain fell in the Northwest with snow piling up in the Cascade Mountains.

FRIDAY...Showers and thundershowers intensified in parts of the Southeast. Snowshowers were heavy at times from the central Appalachians into southern New York. Cold air spread over all of the Nation, except the Southwest coast and southern Florida.

SATURDAY...A cold front, moving into the Northwest, brought rain to the coastal area to central California and snow to the higher elevation east of the coast. Light rain developed in southern Texas, as warmer air began to flow northward through the southern Plains. Light snow continued across the Great Lakes and western New York.

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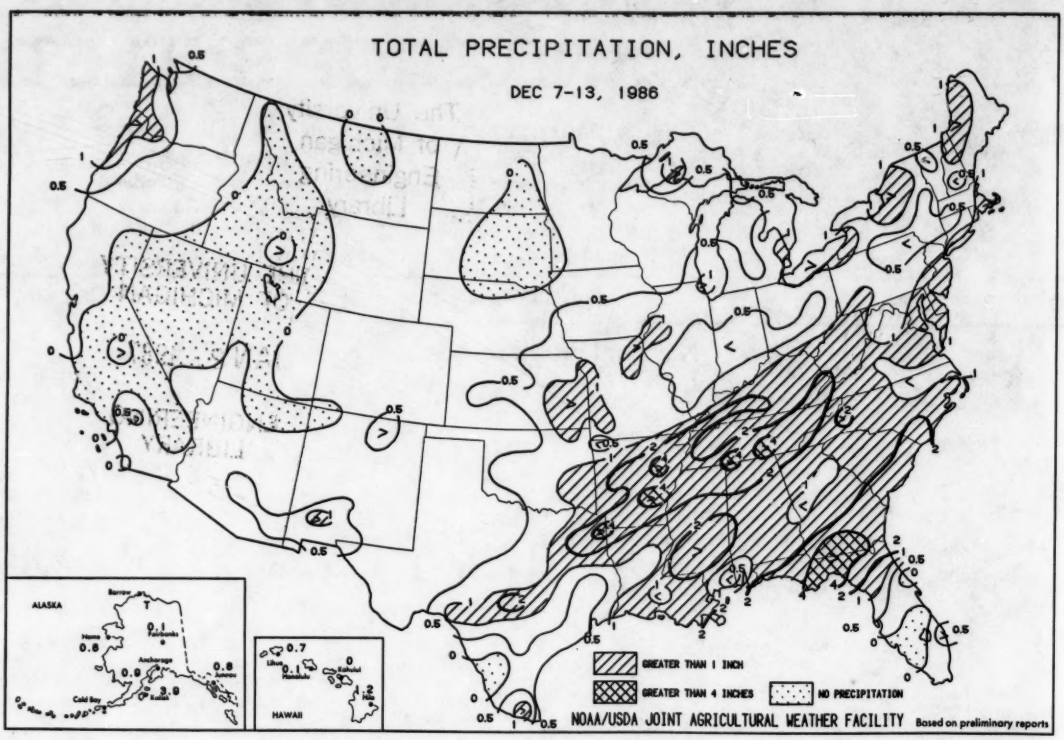

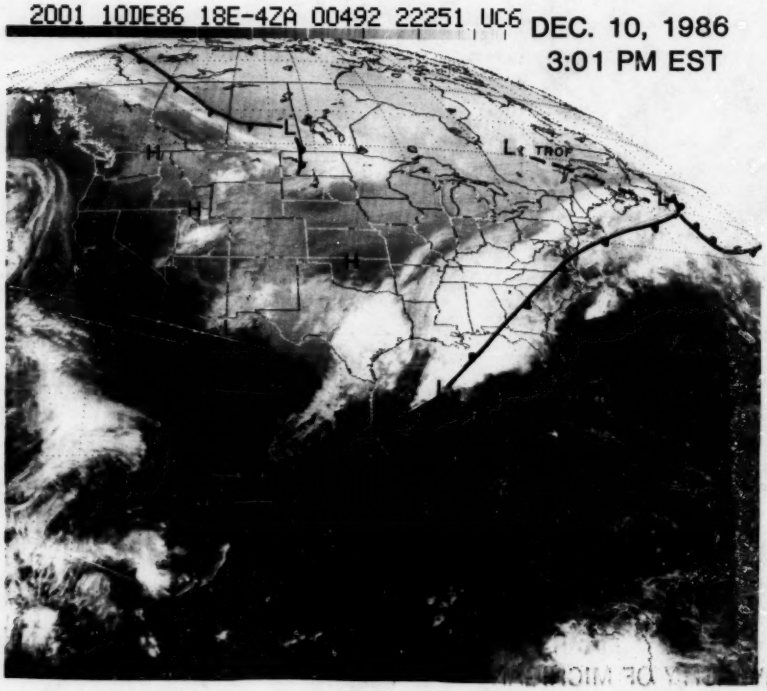

PRECIPITATION COVERS MUCH OF THE SOUTH-CENTRAL AND EASTERN PARTS OF THE NATION. SHOWERS AND THUNDERSTORMS ARE ACROSS THE SOUTH AND MID-ATLANTIC STATES, AND SNOW FALLS OVER WESTERN TEXAS AND NEW ENGLAND.

STORM SYSTEMS BRING RAIN TO SOUTHEAST ARIZONA, SOUTHWEST NEW MEXICO, AND ADJACENT MEXICO AND SNOW TO SOUTHERN MANITOBA AND SASKATCHEWAN.

COLDER AIR SPREADS OVER THE NORTHERN ROCKIES, NORTHERN GREAT PLAINS AND INTO THE EASTERN UNITED STATES BEHIND THE FRONTAL SYSTEM EXTENDING FROM THE SOUTHEAST TIP OF NEWFOUNDLAND, ACROSS THE SOUTHEAST, AND INTO THE GULF OF MEXICO.

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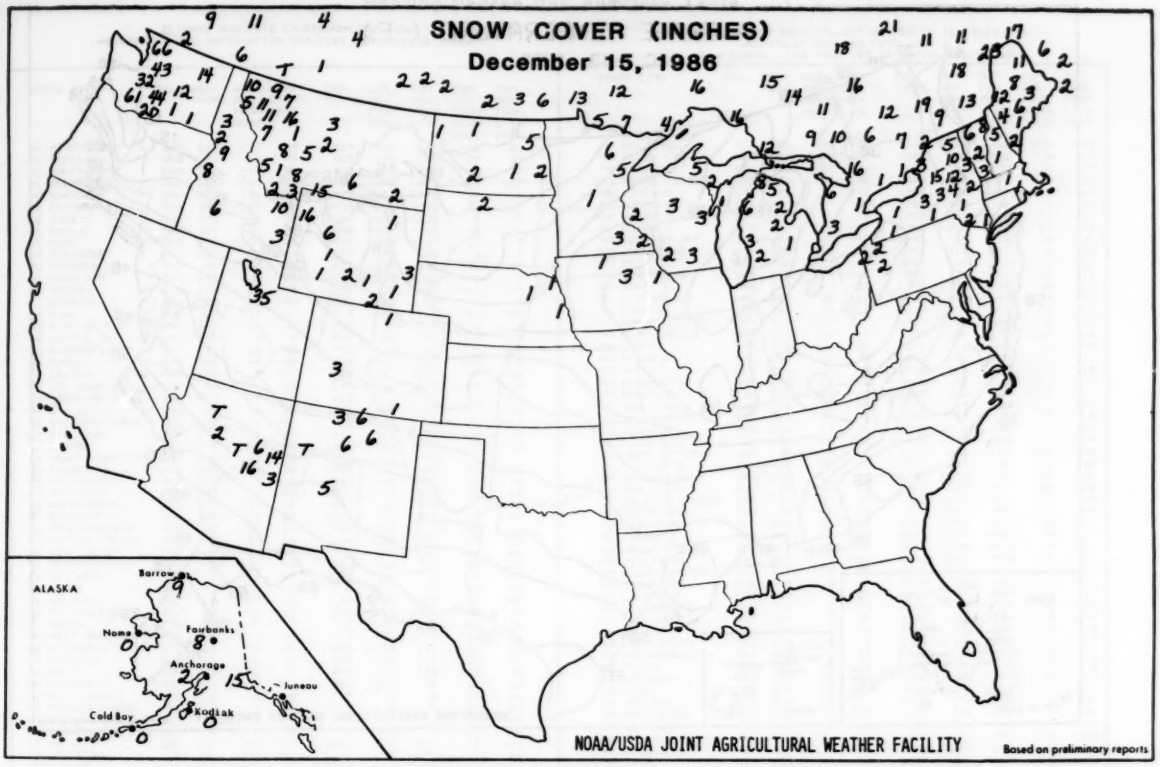
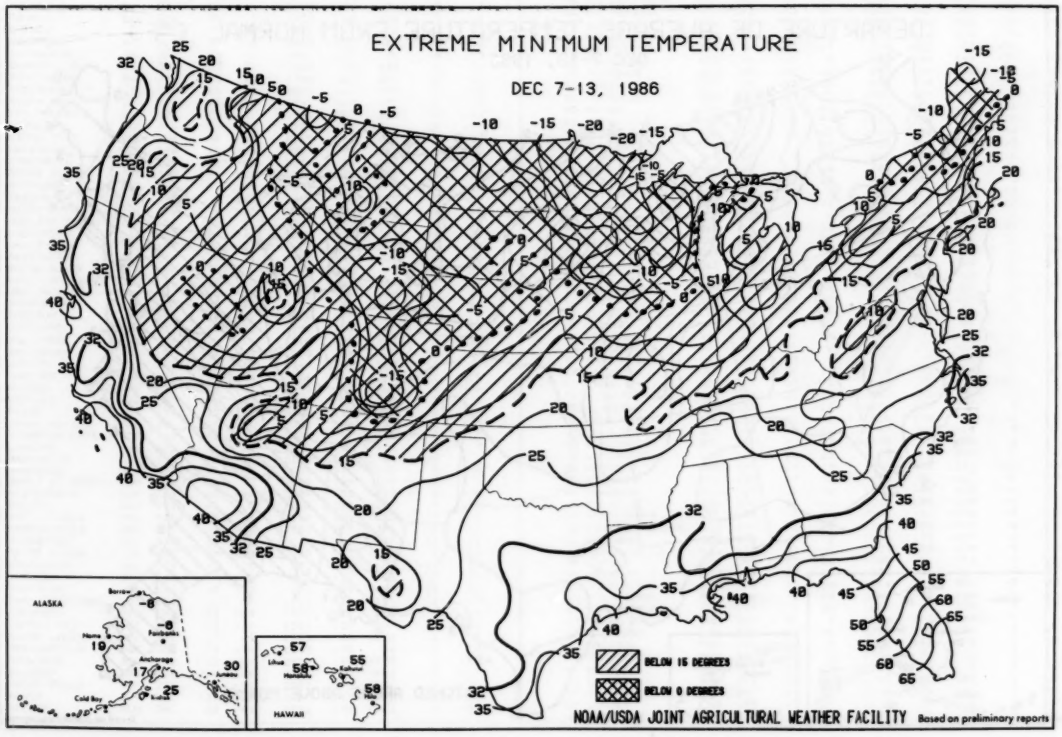
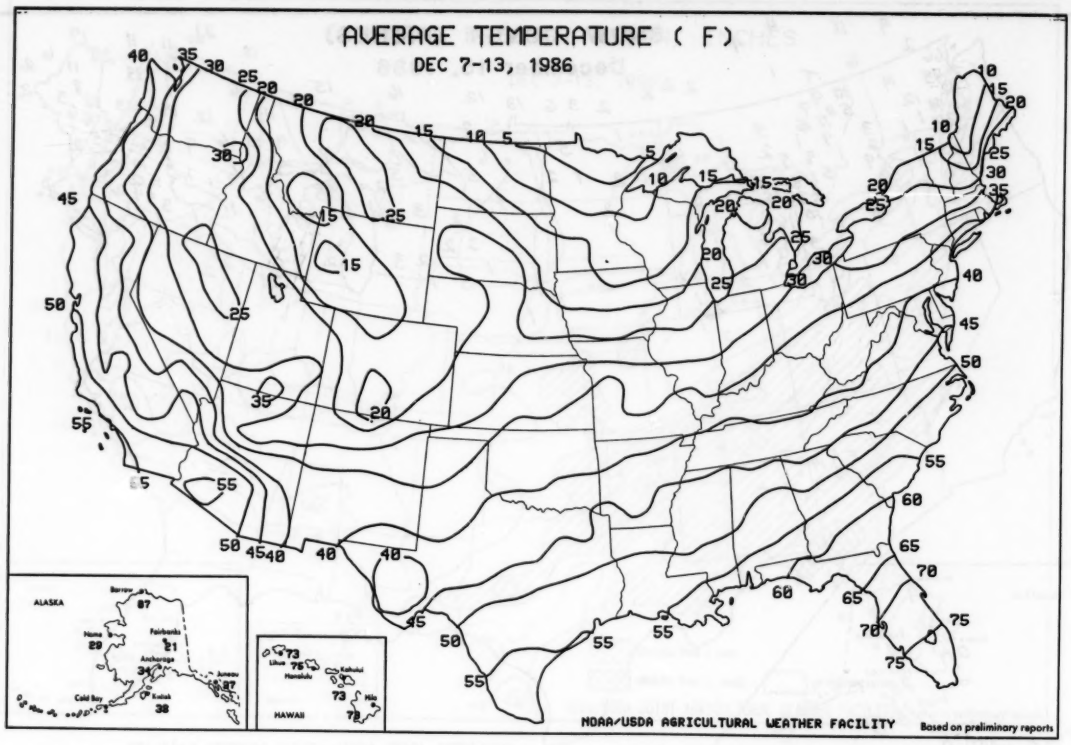
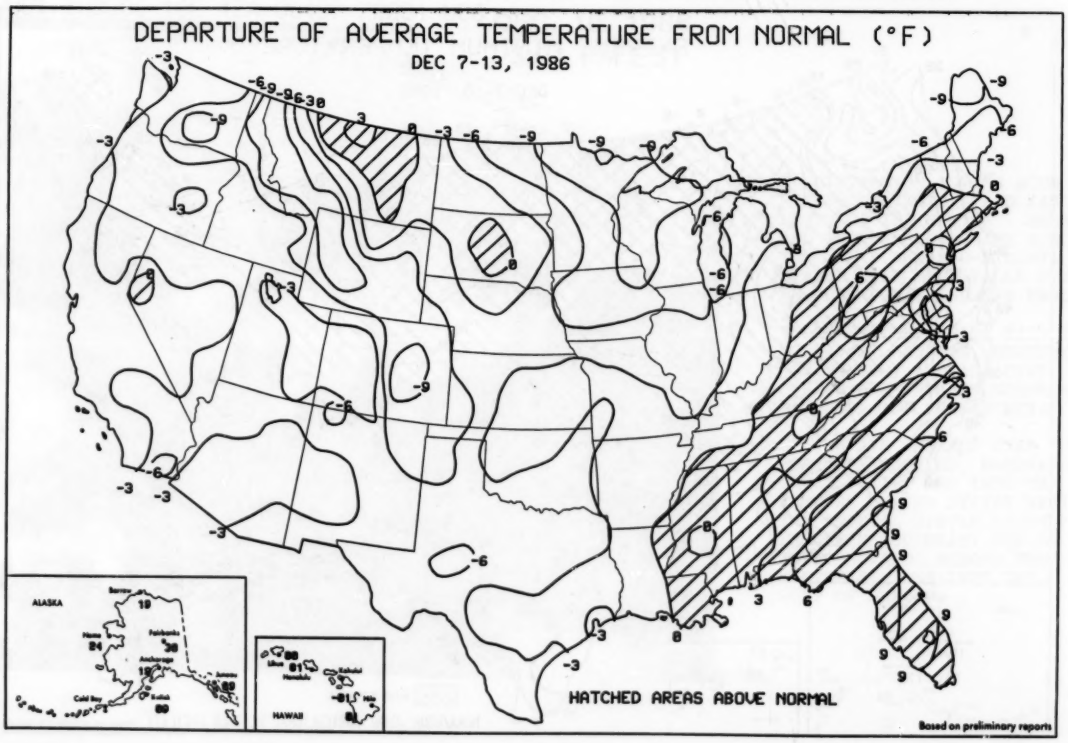

SNOW COVER (INCHES)
December 15, 1986
ALASKA
Barrow
Nome
Fairbanks
Anchorage
Juneau
Cold Bay
Kodiak
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


EXTREME MINIMUM TEMPERATURE
DEC 7-13, 1986
ALASKA
HAWAII
BELOW 15 DEGREES
BELOW 0 DEGREES
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports



Point values may differ on these computerized maps from the reported values in the tables.



Heating Degree Day Summary Table

CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
ASSESSMENT AND INFORMATION SERVICES CENTER-NESDIS-NOAA

LAST DATE OF DATA COLLECTION PERIOD IS 12-13-1986
ACCUMULATIONS ARE FROM JULY 1
** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

STATE	CITY	CALL	WEEK TOTAL	WEEK DEV FROM NORM	WEEK DEV FROM L YR	CUM TOTAL	CUM DEV FROM NORM	CUM DEV FROM L YR	CUM DEV FROM NORM PRCT	CUM DEV FROM L YR PRCT
AL	BIRMINGHAM	BHM	112	-17	24	584	-180	109	-24	23
AL	MOBILE	MOB	76	-2	35	305	-102	85	-25	39
AL	MONTGOMERY	MGM	90	-17	21	422	-163	115	-28	37
AK	ANCHORAGE	ANC	216	-137	-31	3439	-440	-687	-11	-17
AK	BARROW	BRW	405	-136	-123	6572	-651	-576	-9	-8
AK	FAIRBANKS	FAI	308	-207	-89	4732	-296	-572	-6	-11
AK	JUNEAU	JNU	195	-62	-59	2967	-276	-722	-9	-20
AK	KODIAK	ADQ	184	-65	0	2948	-279	-346	-9	-11
AK	NOME	OME	248	-174	-5	4493	-484	-137	-10	-3
AZ	FLAGSTAFF	FLG	263	22	-16	2333	140	28	6	1
AZ	PHOENIX	PHX	80	2	-29	152	-161	-138	-51	-48
AZ	PRESCOTT	PRC	198	7	-25	1358	10	17	1	1
AZ	TUCSON	TUS	111	24	-25	323	-65	-86	-17	-21
AZ	WINSLOW	INW	215	-5	-35	1383	42	43	3	3
AZ	YUMA	YUM	72	10	-17	112	-94	-113	-46	-50
AR	FORT SMITH	FSM	176	18	-8	931	35	39	4	4
AR	LITTLE ROCK	LRF	150	6	6	849	34	95	4	13
CA	BAKERSFIELD	BFL	130	14	-22	525	5	-122	1	-19
CA	EUREKA	EKA	108	-5	-30	1504	-213	-181	-12	-11
CA	FRESNO	FAT	140	7	-23	486	-197	-167	-29	-26
CA	LOS ANGELES	LAX	57	1	-22	145	-206	-172	-59	-54
CA	SACRAMENTO	SAC	143	12	-2	605	-76	-167	-11	-22
CA	SAN DIEGO	SAN	63	12	-25	161	-87	-107	-35	-40
CA	SAN FRANCISCO	SFO	102	-5	-26	775	-152	-111	-16	-13
CA	STOCKTON	SCK	145	14	-15	619	-43	-191	-6	-24
CO	DENVER	DEN	278	58	-59	1868	126	-416	7	-18
CO	GRAND JUNCTION	GJT	249	2	-18	1682	83	-18	5	-1
CO	PUEBLO	PUB	302	84	-30	1733	157	-423	10	-20
CT	BRIDGEPORT	BDR	202	-3	18	1433	148	183	12	15
CT	HARTFORD	BDL	237	-4	18	1827	194	210	12	13
DE	WILMINGTON	ILG	173	-24	11	1243	10	272	1	28
DC	WASHINGTON	DCA	158	-16	23	1067	56	289	6	37
FL	APALACHICOLA	AQQ	29	-37	-6	122	-171	3	-58	3
FL	DAYTONA BEACH	DAB	5	-37	-6	34	-126	-21	-79	-38
FL	FORT MEYER	FMY	0	-21	-3	3	-58	-2	**	**
FL	JACKSONVILLE	JAX	32	-37	-6	151	-161	20	-52	15
FL	KEY WEST	EYW	-	-3	0	0	-6	0	**	**
FL	MIAMI	MIA	0	-7	0	0	-17	-2	**	**
FL	ORLANDO	MCO	4	-27	-2	18	-86	-15	-83	-45
FL	TALLAHASSEE	TLH	39	-41	-12	228	-162	36	-42	19
FL	TAMPA	TPA	8	-27	1	23	-102	-8	-82	-26
FL	WEST PALM BEACH	PBI	0	-14	-1	0	-30	-8	**	**
GA	ATLANTA	ATL	109	-28	30	604	-173	170	-22	39
GA	AUGUSTA	AGS	80	-42	2	454	-208	140	-31	45
GA	MACON	MCN	73	-36	0	455	-125	126	-22	38
GA	SAVANNAH	SAV	41	-52	-16	281	-182	71	-39	34
HI	HILO-HAWAII	ITO	0	0	0	0	0	0	**	**
HI	HONOLULU-OAHU	HNL	0	0	0	0	0	0	**	**
HI	KAHULUI-MAUI	OGG	0	0	0	0	0	0	**	**
HI	LIHUE-KAUAI	LIH	0	0	0	0	0	0	**	**
ID	BOISE	BOI	241	37	-70	1840	109	-592	6	-24
ID	LEWISTON	LWS	247	37	-39	1671	-9	-652	-1	-28
ID	POCATELLO	PIH	313	52	-57	2245	111	-467	5	-17
IL	CHICAGO	ORD	290	43	5	1781	128	-88	8	-5
IL	MOLINE	MLI	291	35	-18	1829	140	-131	8	-7
IL	PEORIA	PIA	276	29	1	1695	64	-22	4	-1
IL	QUINCY	UIN	251	19	-30	1588	97	-76	7	-5
IL	ROCKFORD	RFD	314	47	5	2006	155	-31	8	-2
IL	SPRINGFIELD	SPI	253	26	-1	1567	117	71	8	5
IN	EVANSVILLE	EVV	208	13	21	1263	17	153	1	14
IN	FORT WAYNE	FWA	261	21	21	1755	87	201	5	13
IN	INDIANAPOLIS	IND	244	20	19	1554	63	197	4	15
IN	SOUTH BEND	SBN	267	27	16	1831	167	191	10	12
IA	DES MOINES	DSM	305	45	-47	1904	207	-368	12	-16
IA	DUBUQUE	DBQ	340	59	-19	2174	189	-268	10	-11
IA	SIOUX CITY	SUX	326	49	-48	2019	161	-493	9	-20
IA	WATERLOO	ALO	348	60	-28	2229	182	-252	9	-10
KS	CONCORDIA	CNK	249	22	-66	1559	89	-431	6	-22
KS	DODGE CITY	DDC	247	38	-37	1469	120	-435	9	-23
KS	GOODLAND	GLD	268	33	-55	1693	-51	-579	-3	-25
KS	TOPEKA	TOP	223	4	-67	1481	75	-303	5	-17
KS	WICHITA	ICT	213	9	-59	1375	128	-237	10	-15
KY	BOWLING GREEN	BWG	180	1	11	1124	-31	242	-3	27
KY	LEXINGTON	LEX	197	4	26	1248	-29	266	-2	27
KY	LOUISVILLE	SDF	194	9	27	1154	-29	209	-2	22
LA	ALEXANDRIA	AEX	100	7	27	435	-40	86	-8	25
LA	BATON ROUGE	BTR	82	2	29	306	-102	72	-25	31
LA	LAKE CHARLES	LCH	90	18	23	317	-64	58	-17	22
LA	NEW ORLEANS	MSY	67	-2	29	251	-89	80	-26	47
LA	SHREVEPORT	SHV	122	14	28	416	54	161	10	35
ME	CARIBOU	CAR	398	66	67	3211	372	472	13	17
ME	PORTLAND	PWM	277	14	23	2192	129	343	6	19
MD	BALTIMORE	BWI	169	-22	18	1218	25	268	2	28
MD	SALISBURY	SBY	145	-30	6	1048	-59	270	-5	35
MA	BOSTON	BOS	218	8	15	1544	161	187	12	14
MA	CHATHAM	CHH	188	-10	7	1484	16	238	1	19
MI	ALPENA	APN	307	28	46	2452	99	146	4	6
MI	DETROIT	DTW	257	12	20	1775	20	139	1	8
MI	FLINT	FNT	274	22	28	1997	112	152	6	8
MI	GRAND RAPIDS	GRR	291	38	39	2040	185	130	10	7
MI	HOUGHTON LAKE	HTL	322	40	51	2394	47	105	2	5
MI	LANSING	LAN	282	28	30	2042	184	135	10	7
MI	MARQUETTE	MQT	377	60	33	3114	811	44	11	1
MI	MUSKEGON	MKG	283	36	43	2008	173	122	9	6
MI	SAULT ST MARIE	SSM	363	59	70	2813	159	174	6	7
MN	ALEXANDRIA	AXN	376	38	-40	2699	153	-402	6	-13
MN	DULUTH	DLH	405	62	5	3158	270	-287	9	-8
MN	INT'L FALLS	INL	430	50	22	3359	234	-323	7	-9
MN	MINNEAPOLIS	MSP	352	48	-24	2385	220	-343	10	-13
MN	ROCHESTER	RST	370	61	-18	2572	296	-329	13	-11
MN	SAINT CLOUD	STC	378	47	-26	2713	191	-369	8	-12
MS	GREENWOOD	GWO	123	-1	28	582	-138	109	-19	23
MS	JACKSON	JAN	116	7	30	483	-127	55	-21	13
MS	MERIDIAN	MEI	106	-7	23	506	-155	93	-23	20
MO	CAPE GIRARDEAU	CGI	194	2	7	1124	-26	125	-2	13
MO	COLUMBIA	COU	231	19	-24	1450	100	-38	7	-3
MO	KANSAS CITY	MCI	233	14	-61	1501	151	-307	11	-17
MO	SAINT LOUIS	STL	221	17	-4	1322	44	110	3	9
MO	SPRINGFIELD	SGF	208	16	-30	1343	115	44	9	3
MT	BILLINGS	BIL	266	12	-97	2235	133	-795	6	-26
MT	GLASGOW	GGW	309	-11	-120	2656	80	-966	3	-27
MT	GREAT FALLS	GTF	255	-7	-91	2397	95	-1071	4	-31
MT	HAVRE	HVR	281	-27	-120	2721	147	-905	6	-25
MT	HELENA	HLN	341	62	-46	2732	175	-812	7	-23
MT	KALISPELL	FCA	322	46	-20	2847	82	-669	3	-19
MT	MILES CITY	MLS	302	12	-93	2387	97	-732	4	-23
MT	MISSOULA	MSO	339	67	-36	2626	89	-632	4	-19
NE	GRAND ISLAND	GRI	291	37	-48	1845	50	-517	3	-22
NE	LINCOLN	LNK	285	31	-46	1744	42	-489	2	-22
NE	NORFOLK	OFK	307	34	-55	1988	49	-555	3	-22
NE	NORTH PLATTE	LBF	276	13	-78	1925	-87	-696	-4	-27
NE	OMAHA	ONA	302	52	-47	1840	211	-451	13	-20
NE	SCOTTSBLUFF	BFF	294	42	-91	2053	75	-729	4	-26
NE	VALENTINE	VTN	278	2	-96	2212	118	-619	6	-22
NV	ELY	ELY	276	9	-70	2389	47	-315	2	-12
NV	LAS VEGAS	LAS	144	13	-10	570	-75	-86	-12	-13
NV	RENO	RNO	215	-7	-38	1708	-162	-249	-9	-13
NV	WINNEMUCCA	WMC	270	33	-12	2066	75	-390	4	-16
NH	CONCORD	CON	265	-8	14	2296	206	332	10	17
NJ	ATLANTIC CITY	ACY	176	-19	19	1305	48	340	4	35
NM	ALBUQUERQUE	ABQ	216	16	-7	1395	148	173	12	14
NM	CLOVIS	CVS	212		-31	1203	63	-68	6	-5
NM	ROSWELL	ROW	184	31	-8	1053	146	215	16	26
NY	ALBANY	ALB	254	-4	15	2068	215	265	12	15
NY	BINGHAMTON	BGM	249	-12	11	2060	57	164	3	9
NY	BUFFALO	BUF	253	10	34	1888	116	267	7	16
NY	NEW YORK	LGA	184	-7	25	1174	15	209	1	22
NY	ROCHESTER	ROC	261	21	38	2036	289	313	17	18
NY	SYRACUSE	SYR	256	11	30	1999	234	290	13	17
NC	ASHEVILLE	AVL	150	-23	23	1053	-161	203	-13	24
NC	CAPE HATTERAS	HAT	80	-28	4	314	-230	107	-42	52
NC	CHARLOTTE	CLT	131	-20	27	753	-122	188	-14	33
NC	GREENSBORO	GSO	151	-15	38	938	-89	185	-9	25
NC	NEW BERN	EWN	98	-30	23	487	-207	197	-30	68
NC	RALEIGH DURHAM	RDU	133	-22	29	803	-121	205	-13	34
NC	WILMINGTON	ILM	74	-36	14	425	-161	189	-27	80
ND	BISMARCK	BIS	341	11	-52	2816	212	-561	8	-17
ND	FARGO	FAR	388	40	-28	2853	247	-460	9	-14
ND	GRAND FORKS	GFK	412	53	-17	3006	190	-562	7	-16
ND	WILLISTON	ISN	347	13	-52	2946	243	-545	9	-16
OH	AKRON-CANTON	CAK	229	-4	19	1682	34	236	2	16
OH	CLEVELAND	CLE	229	3	19	1599	-4	162	0	11
OH	COLUMBUS	CMH	218	-2	21	1470	-51	209	-3	17
OH	CINCINNATI	CVG	212	4	19	1396	4	232	0	20
OH	DAYTON	DAY	227	5	20	1540	42	236	3	18
OH	TOLEDO	TOL	254	7	26	1792	28	194	2	12
OH	YOUNGSTOWN	YNG	234	-4	22	1700	18	258	1	17
OK	OKLAHOMA CITY	OKC	189	23	-34	1063	118	-126	12	-11
OK	TULSA	TUL	185	20	-30	1109	174	29	19	3
OR	ASTORIA	AST	158	10	-32	1655	-45	-399	-3	-19
OR	BURNS	4BW	279	22	-86	2360	196	-823	9	-26
OR	MEDFORD	MFR	206	18	11	1438	1	-172	0	-11
OR	PENDLETON	PDT	253	37	-45	1694	76	-712	5	-30
OR	PORTLAND	PDX	191	28	-16	1259	-154	-432	-11	-26
OR	SALEM	SLE	198	31	-8	1497	-31	-325	-2	-18
PA	ALLENTOWN	ABE	217	-7	31	1656	120	291	8	21
PA	ERIE	ERI	230	-3	35	1657	-87	313	-5	23
PA	HARRISBURG	CXY	205	-7	34	1564	171	372	12	31
PA	PHILADELPHIA	PHL	182	-15	19	1251	17	272	1	28
PA	PITTSBURGH	PIT	212	-13	21	1603	-10	261	-1	19
PA	SCRANTON	AVP	229	-9	30	1887	172	346	10	22
RI	PROVIDENCE	PVD	215	-4	16	1622	116	258	8	19
SC	CHARLESTON	CHS	44	-56	-17	313	-202	84	-39	37
SC	COLUMBIA	CAE	94	-28	8	539	-141	149	-21	38
SC	FLORENCE	FLO	89	-29	21	495	-136	186	-22	60
SC	GREENVILLE	GSP	133	-12	26	805	-48	210	-6	35
SD	ABERDEEN	ABR	336	13	-75	2580	189	-572	8	-18
SD	HURON	HON	316	10	-86	2377	125	-622	6	-21
SD	RAPID CITY	RAP	282	20	-84	2327	228	-672	11	-22
SD	SIOUX FALLS	FSD	324	23	-67	2369	188	-564	9	-19
TN	CHATTANOOGA	CHA	146		27	750	-219	168	-23	29
TN	KNOXVILLE	TYS	167	7	33	891	-99	211	-10	31
TN	MEMPHIS	MEM	148	4	16	784	-35	157	-4	25
TN	NASHVILLE	BNA	170	10	23	937	-56	236	-6	34
TX	ABILENE	ABI	166	43	0	800	121	56	18	8
TX	AMARILLO	AMA	219	39	-47	1357	198	-118	17	-8
TX	AUSTIN	AUS	107	24	1	409	3	52	1	15
TX	BROWNSVILLE	BRO	61	33	24	204	98	103	92	102
TX	CORPUS CHRISTI	CRP	77	35	21	259	54	76	26	42
TX	DEL RIO	DRT	108	26	7	400	25	93	7	30
TX	EL PASO	ELP	149	29	7	854	97	104	13	14
TX	FORT WORTH	DFW	147	39	9	682	136	38	25	6
TX	GALVESTON	GLS	77	21	19	254	5	68	2	37
TX	HOUSTON	IAH	90	17	20	371	1	117	0	46
TX	LUBBOCK	LBB	188	30	-27	1045	93	13	10	1
TX	MIDLAND ODESSA	MAF	168	40	-6	840	121	81	17	11
TX	BEAUMONT	BPT	89	21	26	318	-29	87	-8	38
TX	SAN ANGELO	SJT	154	41	3	704	100	117	17	20
TX	SAN ANTONIO	SAT	94	15	2	376	-5	55	-1	17
TX	VICTORIA	VCT	83	20	15	311	31	84	11	37
TX	WACO	ACT	133	32	8	586	95	72	19	14
TX	WICHITA FALLS	SPS	167	28	-20	860	93	-53	12	-6
UT	BLANDING	4BL	252	11	-16	1391	137	-17	8	-1
UT	CEDAR CITY	CDC	252	21	-39	1905	198	8	11	0
UT	SALT LAKE CITY	SLC	249	10	-41	1747	87	-10	5	-1
VT	BURLINGTON	BTV	295	12	27	2295	131	248	6	12
VA	LYNCHBURG	LYH	164	-15	38	1155	3	225	0	24
VA	NORFOLK	ORF	119	-24	12	640	-162	171	-20	36
VA	RICHMOND	RIC	150	-17	38	978	-50	303	-5	45
VA	ROANOKE	ROA	167	-12	32	1125	-45	305	-4	37
WA	COLVILLE	6S5	294	39	-16	2206	-124	-644	-5	-23
WA	GUILLAYUTE	UIL	174	7	-32	1969	-61	-356	-3	-15
WA	SEATTLE-TACOMA	SEA	178	15	-19	1535	-101	-345	-6	-18
WA	SPOKANE	GEG	313	69	2	2304	125	-627	6	-21
WA	WALLA WALLA	ALW	247	39	-34	1525	75	-635	5	-29
WA	YAKIMA	YKM	283	57	-32	1989	81	-706	4	-26
WV	BECKLEY	BKW	194	-17	28	1457	-141	311	-9	27
WV	CHARLESTON	CRW	182	-2	36	1216	-67	421	-5	53
WV	HUNTINGTON	HTS	186	-2	28	1202	-73	284	-6	31
WV	PARKERSBURG	PKB	197	1	26	1357	39	288	3	27
WI	GREEN BAY	GRB	346	51	1	2413	194	24	9	1
WI	LACROSSE	LSE	356	67	-1	2200	178	-234	9	-10
WI	MADISON	MSN	342	58	4	2246	142	-118	7	-5
WI	MILWAUKEE	MKE	307	41	8	1972	59	-13	3	-1
WI	WAUSAU	AUW	371	59	9	2575	179	-111	7	-4
WY	CASPER	CPR	310	42	-70	2392	102	-605	4	-20
WY	CHEYENNE	CYS	297	53	-61	2344	150	-441	7	-16
WY	LANDER	LND	355	71	-59	2498	85	-638	4	-20
WY	SHERIDAN	SHR	276	4	-68	2465	98	-695	4	-22

National Weather Data for Selected Cities

Weather Data for the Week Ending December 13, 1986

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC. 1	PCT. NORMAL SINCE DEC. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	58	40	71	29	49	2	1.7	.6	1.3	1.8	89	39.9	77	95	63	0	2	5	1
MOBILE	64	46	80	34	55	1	.5	-.8	.3	.5	22	56.2	91	96	67	0	0	3	0
MONTGOMERY	61	43	76	30	52	3	1.5	.4	.6	1.7	87	51.1	110	94	63	0	1	4	2
AK ANCHORAGE	38	29	44	17	34	19	.9	.6	.4	1.2	225	18.7	128	94	72	0	4	4	0
BARROW	13	1	23	-8	7	20	T	-.1	T	T	25	4.1	87	90	81	0	7	1	0
FAIRBANKS	30	11	43	-6	21	30	.1	-.1	.1	.2	43	9.7	97	98	80	0	7	1	0
JUNEAU	40	34	42	30	37	9	.8	-.3	.4	3.2	154	58.1	115	98	81	0	2	5	0
KODIAK	43	33	46	25	38	9	3.9	2.5	1.0	5.4	217	71.6	102	94	78	0	3	7	4
NOME	33	25	38	19	29	25	.6	.5	.2	.9	317	17.3	120	96	76	0	7	4	0
AZ PHOENIX	63	44	70	37	53	-1	.6	.4	.6	.9	310	7.1	108	83	31	0	0	2	1
PRESCOTT	49	24	57	17	36	-1	.1	-.2	.1	.4	58	11.7	66	80	31	0	6	1	0
TUCSON	60	38	70	31	49	-4	.1	-.1	.1	.9	231	11.4	108	88	33	0	1	2	0
YUMA	65	44	68	39	55	-3	.1	.1	.1	.2	123	1.7	71	63	25	0	0	1	0
AR FORT SMITH	48	32	59	21	40	-3	1.1	.4	.9	1.2	85	37.6	98	92	52	0	4	2	1
LITTLE ROCK	50	36	63	26	43	-1	2.6	1.6	.9	2.7	151	43.2	99	80	60	0	2	3	3
CA BAKERSFIELD	52	40	59	36	46	-3	T	-.1	T	.2	77	5.1	96	100	72	0	0	0	0
EUREKA	56	42	60	37	49	0	.1	-1.3	.1	1.6	61	35.3	101	96	76	0	0	2	0
FRESNO	49	40	57	37	45	-1	T	-.3	T	.5	82	10.7	111	96	79	0	0	1	0
LOS ANGELES	66	47	68	44	57	-1	0	-.3	0	.3	51	15.9	143	90	42	0	0	0	0
REDDING	55	35	66	28	45	**	.1	***	.1	.6	6	**	**	88	50	0	3	1	0
SACRAMENTO	52	37	66	32	45	-2	T	-.6	T	.3	24	17.4	114	99	67	0	1	1	0
SAN DIEGO	64	48	65	45	56	-2	T	-.3	T	.6	119	11.9	140	89	47	0	0	0	0
SAN FRANCISCO	57	43	65	41	50	0	T	-.7	T	.3	23	19.5	111	100	58	0	0	1	0
CO DENVER	37	12	54	-2	25	-9	.3	.2	.1	.3	119	12.0	80	85	48	0	7	3	0
GRAND JUNCTION	37	21	44	14	29	-1	T	-.1	T	.4	177	8.7	114	87	48	0	6	1	0
PUEBLO	35	8	42	-9	22	-12	.4	.3	.3	.4	323	10.6	99	99	67	0	7	2	0
CT BRIDGEPORT	41	30	54	22	36	0	.6	-.3	.4	1.5	92	30.8	78	84	47	0	5	4	0
HARTFORD	39	23	49	12	31	0	.4	-.5	.4	2.3	124	40.7	97	83	39	0	7	2	0
DC WASHINGTON	48	36	59	24	42	2	1.0	.2	.5	2.0	152	29.7	80	91	52	0	2	4	0
FL APALACHICOLA	71	54	75	42	63	7	5.1	4.3	1.9	5.2	365	62.3	118	91	70	0	0	4	4
DAYTONA BEACH	79	61	84	49	70	10	T	-.5	T	.6	63	45.3	96	98	61	0	0	0	0
JACKSONVILLE	72	53	81	40	63	7	2.0	1.5	.8	2.2	220	41.7	81	98	69	0	0	3	3
KEY WEST	81	74	85	70	78	6	6.5	6.1	6.1	6.5	775	36.1	94	96	76	0	0	2	1
MIAMI	83	73	87	69	78	9	.1	-.4	.1	.5	63	64.3	114	90	64	0	0	1	0
ORLANDO	81	62	86	53	72	9	.1	-.4	.1	.3	33	46.4	99	95	56	0	0	2	0
TALLAHASSEE	71	51	77	37	61	8	4.1	3.1	1.7	4.4	232	68.9	111	97	61	0	0	4	4
TAMPA	79	62	85	50	71	9	.5	0	.4	.6	60	39.9	88	94	66	0	0	2	0
WEST PALM BEACH	81	71	87	68	76	9	.7	.2	.7	4.9	514	63.9	109	89	62	0	0	1	1
GA ATLANTA	57	41	70	30	49	4	1.2	.3	.6	1.5	87	39.0	85	87	59	0	2	4	2
AUGUSTA	66	42	78	23	54	6	1.5	.8	.6	2.1	175	41.8	102	98	58	0	2	4	1
MACON	65	44	75	24	55	5	1.1	.3	.5	1.7	109	36.5	86	95	61	0	1	4	0
SAVANNAH	71	50	78	32	61	9	2.1	1.5	.9	2.9	261	43.6	91	95	64	0	1	3	2
HI HILO	81	65	82	58	73	1	1.2	-2.0	1.0	3.0	49	166.5	137	91	66	0	0	3	1
HONOLULU	84	67	86	58	75	1	.1	-.7	.1	.3	19	12.8	60	90	54	0	0	1	0
KAHULUI	82	65	85	55	73	-1	T	-.6	T	.6	54	13.7	77	87	55	0	0	0	0
LIHUE	79	67	81	57	73	0	.7	-.5	.3	.8	35	25.7	63	89	64	0	0	3	0
ID BOISE	37	18	40	11	27	-6	T	-.3	T	T	6	14.2	130	91	51	0	7	0	0
LEWISTON	35	26	39	20	30	-6	.1	-.1	.1	.4	71	10.6	89	87	61	0	7	1	0
POCATELLO	32	8	35	5	20	-8	T	-.2	T	.2	51	12.4	120	88	56	0	7	1	0
IL CHICAGO	31	16	41	1	23	-6	.8	.3	.5	1.1	119	31.7	98	91	63	0	5	4	1
MOLINE	30	16	41	1	23	-5	.9	.4	.6	2.0	235	40.7	113	88	62	0	5	3	1
PEORIA	33	18	43	3	25	-4	.9	.4	.7	2.6	286	37.4	111	92	66	0	5	3	1
QUINCY	37	20	45	6	29	-3	1.0	.5	.8	1.8	235	41.4	113	88	63	0	5	3	1
ROCKFORD	27	13	36	-2	20	-7	.4	0	.3	.6	69	34.2	96	89	63	0	6	2	0
SPRINGFIELD	36	21	46	6	29	-4	.4	-.1	.2	1.4	151	35.7	110	88	61	0	5	3	0
IN EVANSVILLE	43	27	57	14	35	-2	.7	-.1	.5	1.8	120	37.5	95	93	61	0	4	3	0
FORT WAYNE	34	21	43	8	28	-3	.6	.1	.3	1.2	111	42.0	127	93	68	0	5	3	0
INDIANAPOLIS	37	23	49	8	30	-3	.4	-.3	.3	1.0	74	45.6	122	89	57	0	5	3	0
SOUTH BEND	33	20	41	12	27	-4	1.0	.3	.7	1.4	111	36.6	100	92	64	0	5	5	1
IA DES MOINES	29	14	37	1	21	-7	.6	.3	.4	1.0	192	42.5	140	87	67	0	7	3	0
SIOUX CITY	27	10	32	0	18	-7	.2	0	.1	.2	55	32.3	129	92	66	0	7	2	0
WATERLOO	25	5	34	-12	15	-9	.4	.1	.2	.8	147	36.2	111	92	68	0	7	2	0
KS CONCORDIA	38	20	47	6	29	-4	.7	.6	.6	1.4	418	40.2	150	92	65	0	7	3	1
DODGE CITY	38	21	50	8	30	-6	.4	.2	.2	1.0	369	20.2	99	94	64	0	7	2	0
GOODLAND	36	16	50	4	26	-5	.1	-.1	.1	.1	48	15.3	95	90	57	0	7	1	0
TOPEKA	41	25	50	13	33	-1	.8	.5	.6	1.2	195	37.3	114	92	67	0	5	3	1
WICHITA	42	27	52	19	34	-2	.7	.5	.5	1.2	265	31.2	111	94	60	0	6	2	1
KY BOWLING GREEN	47	31	61	21	39	0	2.4	1.4	2.1	3.5	191	37.3	81	99	59	0	5	3	1
LEXINGTON	44	29	59	14	37	-1	1.4	.5	1.1	2.7	164	34.1	78	86	55	0	4	2	1
LOUISVILLE	45	29	61	16	37	-2	.9	.2	.7	2.2	149	37.1	89	83	52	0	4	3	1
LA ALEXANDRIA	58	44	75	34	51	-1	.6	-.5	.3	.6	28	43.2	83	87	64	0	0	5	0
BATON ROUGE	63	44	76	34	54	0	1.7	.5	1.4	1.7	79	50.8	96	95	65	0	0	2	1
LAKE CHARLES	61	44	77	35	52	-2	1.7	.5	1.0	1.7	80	50.5	101	97	68	0	0	3	2
NEW ORLEANS	65	48	80	40	56	1	.9	-.3	.8	.9	42	43.8	77	96	69	0	0	2	1

Based on 1951-80 normals.

Weather Data for the Week Ending December 13, 1986

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC. 1	PCT. NORMAL SINCE DEC. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	55	40	67	33	48	-2	1.7	.8	.9	1.7	101	55.2	133	95	60	0	0	5	2
ME CARIBOU	16	-1	29	-16	8	-10	.7	-.1	.6	1.3	88	34.0	97	87	56	0	7	3	1
PORTLAND	34	17	41	8	25	-2	.6	-.5	.5	2.4	122	41.0	100	79	37	0	7	2	1
MD BALTIMORE	48	34	57	19	41	3	1.0	.3	.6	2.1	148	30.2	76	90	44	0	3	4	1
SALISBURY	53	35	65	19	44	4	1.3	.5	.8	2.9	192	29.3	68	94	63	0	2	3	1
MA BOSTON	41	27	49	18	34	-1	1.2	.1	.8	3.2	165	41.2	100	85	46	0	7	2	1
CHATHAM	44	31	51	20	38	1	1.5	.3	.6	2.7	128	49.5	113	83	64	0	5	3	2
MI ALPENA	28	14	34	10	21	-4	.3	-.2	.1	.6	63	30.1	109	90	62	0	7	4	0
DETROIT	34	22	40	11	28	-2	.9	.3	.3	1.8	165	37.1	125	92	64	0	6	4	0
FLINT	32	19	35	5	26	-4	1.0	.5	.5	1.4	157	37.5	133	91	60	0	7	3	1
GRAND RAPIDS	29	17	35	0	23	-6	.6	-.1	.4	1.0	83	47.6	144	92	68	0	7	5	0
HOUGHTON LAKE	24	13	33	9	19	-6	.3	-.2	.1	.4	50	33.4	124	89	69	0	7	4	0
LANSING	31	18	35	5	24	-4	.3	-.2	.2	1.0	96	37.2	131	91	64	0	7	3	0
MARQUETTE	19	3	27	-4	11	-9	.1	-.4	.1	.5	45	30.4	85	93	68	0	7	4	0
MUSKEGON	30	19	38	14	24	-6	.9	.3	.4	1.2	104	34.8	116	92	66	0	7	7	0
SAULT STE. MARIE	23	3	30	-3	13	-9	.5	-.1	.2	1.7	147	37.2	116	90	56	0	7	6	0
MN ALEXANDRIA	22	0	30	-13	11	-6	.1	-.1	0	.1	25	33.0	137	86	58	0	7	2	0
DULUTH	16	-2	24	-17	7	-9	.2	-.1	.1	.4	70	36.3	125	87	57	0	7	4	0
INT'L FALLS	15	-8	26	-20	3	-7	.1	-.1	0	.2	49	18.1	76	87	58	0	7	3	0
MINNEAPOLIS	23	6	33	-6	15	-7	.1	-.2	.1	.2	56	36.4	141	87	58	0	7	2	0
ROCHESTER	22	2	31	-10	12	-9	.1	-.1	.1	.3	80	40.0	144	90	64	0	7	3	0
MS GREENWOOD	56	38	72	30	47	0	1.2	0	.7	1.3	56	39.2	79	97	58	0	2	5	1
JACKSON	58	40	76	32	49	-1	2.3	1.1	1.6	2.4	106	47.6	96	97	63	0	2	3	2
MERIDIAN	59	40	74	29	50	1	2.1	.9	1.0	2.1	94	47.5	95	96	64	0	2	4	2
MO CAPE GIRARDEAU	44	30	53	20	37	--	.5	-.4	.3	1.8	105	40.4	95	92	62	0	4	2	0
COLUMBIA	39	24	49	13	32	-3	.9	.4	.6	2.0	243	39.7	113	94	62	0	5	3	1
KANSAS CITY	40	23	47	12	31	-2	.9	.6	.8	1.3	194	39.2	114	91	61	0	5	3	1
SAINT LOUIS	40	26	51	12	33	-3	.3	-.2	.1	1.0	100	34.9	107	86	53	0	5	3	0
SPRINGFIELD	44	26	49	15	35	-3	.8	.2	.6	1.1	96	39.9	105	93	56	0	5	3	1
MT BILLINGS	35	18	46	10	27	-2	T	-.1	T	.1	38	14.4	99	73	45	0	7	1	0
GLASGOW	30	11	39	-2	21	1	T	-.1	T	T	23	13.3	118	89	65	0	7	1	0
GREAT FALLS	37	19	44	0	28	1	.1	0	.1	.2	85	13.9	95	70	48	0	7	1	0
HAVRE	35	14	42	7	25	4	0	-.1	0	T	0	17.3	160	81	47	0	7	0	0
HELENA	27	5	33	0	16	-9	T	-.1	T	.4	154	12.0	109	94	61	0	7	1	0
KALISPELL	25	12	32	-1	19	-7	T	-.3	T	.2	35	17.2	115	100	88	0	7	1	0
MILES CITY	34	9	41	-4	22	-2	.1	-.1	.1	.1	19	15.7	114	85	57	0	7	1	0
MISSOULA	25	9	33	0	17	-10	T	-.3	T	.5	100	16.5	131	92	63	0	7	0	0
NE GRAND ISLAND	32	14	39	1	23	-6	.1	0	.1	.3	90	24.9	108	92	74	0	7	2	0
LINCOLN	33	16	41	6	24	-5	.4	.2	.3	1.2	397	39.3	148	87	68	0	7	2	0
NORFOLK	30	12	36	-1	21	-5	.4	.2	.3	.4	141	30.8	132	92	67	0	7	2	0
NORTH PLATTE	35	15	43	-1	25	-2	.3	.1	.3	.3	108	17.0	88	95	59	0	7	1	0
OMAHA	30	14	35	4	22	-6	.7	.5	.6	1.0	262	37.5	127	85	64	0	7	2	1
SCOTTSBLUFF	35	10	48	-10	23	-6	.2	0	.1	.3	96	21.6	151	89	50	0	7	2	0
VALENTINE	35	15	49	-4	25	-1	T	-.1	T	T	0	20.8	123	78	43	0	7	0	0
NV ELY	41	9	50	0	25	-2	0	-.1	0	T	0	8.4	99	82	34	0	7	0	0
LAS VEGAS	54	34	59	29	44	-2	.2	.2	.2	.3	200	2.4	60	82	26	0	4	1	0
RENO	50	19	55	13	34	1	0	-.3	0	T	0	8.8	129	89	32	0	7	0	0
WINNEMUCCA	45	7	50	1	26	-5	0	-.2	0	.1	19	5.5	75	87	32	0	7	0	0
NH CONCORD	36	18	43	4	27	1	.5	-.3	.5	1.9	127	37.9	110	84	37	0	7	1	0
NJ ATLANTIC CITY	47	32	60	15	40	3	1.5	.7	.9	2.7	175	38.7	97	89	53	0	3	3	2
NM ALBUQUERQUE	43	25	51	15	34	-3	.1	0	.1	.4	259	13.1	168	89	45	0	5	3	0
CLOVIS	44	25	53	20	34	-6	.4	.2	.3	.5	196	20.1	119	87	58	0	7	3	0
ROSWELL	48	29	67	20	39	-5	.3	.2	.2	.3	236	23.4	246	95	48	0	4	2	0
NY ALBANY	38	19	45	9	29	0	.2	-.5	.2	1.5	112	41.5	122	95	55	0	7	2	0
BINGHAMTON	35	23	44	6	29	1	.6	-.1	.3	1.2	93	43.2	123	89	59	0	7	5	0
BUFFALO	36	21	51	12	29	-2	1.1	.4	.7	2.9	193	38.5	108	90	60	0	7	5	1
NEW YORK	44	33	55	20	38	1	.8	0	.6	2.9	177	36.5	89	88	52	0	1	3	1
ROCHESTER	36	20	47	10	28	-3	.9	.2	.3	2.8	243	35.6	119	91	64	0	7	4	0
SYRACUSE	36	20	47	8	28	-2	1.1	.3	.6	2.8	193	42.3	113	92	55	0	7	5	1
NC ASHEVILLE	52	35	63	16	43	3	1.1	.3	.6	2.3	155	32.7	72	96	60	0	3	5	1
CHARLOTTE	54	38	68	25	46	3	1.1	.4	.5	1.9	139	25.7	63	95	61	0	2	5	1
GREENSBORO	51	35	65	22	43	2	1.3	.5	.8	1.9	143	28.0	69	95	63	0	2	5	1
HATTERAS	59	48	73	38	54	4	1.5	.5	1.1	2.5	131	44.7	84	96	71	0	0	4	1
NEW BERN	61	41	75	26	51	4	1.4	.5	1.0	2.5	162	43.2	85	97	58	0	2	3	1
RALEIGH	55	36	74	22	46	3	.9	.2	.6	1.6	123	35.5	89	91	54	0	2	5	1
WILMINGTON	65	44	76	30	55	5	1.9	1.2	1.2	3.2	224	56.3	110	98	61	0	2	3	2
ND BISMARCK	27	5	39	-5	16	-2	T	-.1	T	T	13	24.2	161	85	63	0	7	1	0
FARGO	20	-1	34	-13	9	-6	.2	0	.2	.2	74	23.4	122	84	62	0	7	1	0
GRAND FORKS	17	-6	31	-17	6	-8	.2	.1	.2	.3	93	15.8	88	85	64	0	7	2	0
WILLISTON	26	5	36	-5	15	-2	T	-.1	T	T	21	21.8	161	91	67	0	7	3	0
OH AKRON-CANTON	39	25	57	16	32	0	.6	0	.3	2.2	191	30.9	90	94	69	0	4	3	0
CINCINNATI	42	26	59	13	34	-1	.5	-.2	.4	2.1	168	33.1	86	82	53	0	4	2	0
CLEVELAND	39	25	57	14	32	-1	.9	.3	.4	1.8	151	39.6	117	91	65	0	4	3	0
COLUMBUS	41	26	58	13	34	0	.7	.1	.5	2.4	214	34.6	97	91	62	0	4	3	0

Based on 1951-80 normals.

Weather Data for the Week Ending December 13, 1986

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC. 1	PCT. NORMAL SINCE DEC. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	35	22	43	8	29	-1	.9	.2	.4	1.7	141	37.0	122	91	65	0	5	3	0
YOUNGSTOWN	38	24	57	12	31	0	.7	0	.4	2.4	206	45.2	127	95	69	0	5	3	0
OK OKLAHOMA CITY	45	30	54	24	38	-4	.8	.5	.5	1.1	217	45.1	149	93	60	0	5	2	1
TULSA	47	30	57	22	38	-3	.9	.4	.6	1.0	110	42.8	113	93	50	0	5	2	1
OR ASTORIA	48	36	53	32	42	-2	1.0	-1.6	.5	1.5	32	57.7	92	97	70	0	2	3	1
BURNS	38	13	42	6	26	-3	T	-.2	T	T	10	9.9	136	--	--	0	7	1	0
MEDFORD	40	30	50	28	35	-3	.2	-.6	.1	.3	20	16.7	94	100	87	0	6	2	0
PENDLETON	32	25	40	22	29	-8	.3	-.1	.2	.6	98	12.4	111	98	83	0	7	2	0
PORTLAND	43	32	49	28	37	-4	1.2	-.3	.9	1.6	59	32.3	96	92	64	0	4	3	1
SALEM	43	30	53	24	37	-5	.9	-.7	.5	1.1	37	36.6	101	94	72	0	4	2	0
PA ALLENTOWN	40	27	50	9	34	1	.9	.1	.5	1.9	115	40.6	96	92	51	0	5	4	1
ERIE	38	26	56	15	32	0	1.1	.3	.5	2.4	161	45.4	121	88	61	0	4	4	1
HARRISBURG	41	30	50	18	35	1	.8	.1	.3	2.5	172	40.2	108	94	52	0	4	5	0
PHILADELPHIA	45	33	57	19	39	2	1.2	.4	.6	3.0	207	37.5	95	93	52	0	3	4	1
PITTSBURGH	41	28	59	15	34	2	.7	.2	.5	2.4	234	36.3	104	83	54	0	4	5	0
SCRANTON	38	26	45	10	32	1	.4	-.2	.3	.8	70	43.0	128	91	51	0	6	5	0
RI PROVIDENCE	42	26	53	12	34	0	.8	-.3	.4	4.6	235	42.5	99	85	42	0	6	3	0
SC CHARLESTON	69	50	77	35	59	8	3.0	2.4	1.8	3.7	304	46.8	94	96	65	0	0	3	2
COLUMBIA	62	42	77	22	52	5	1.0	.3	.5	1.8	132	33.5	71	98	54	0	2	4	1
FLORENCE	63	42	78	25	53	5	2.0	1.3	1.0	2.5	216	30.8	73	96	52	0	2	4	2
GREENVILLE	54	38	64	20	46	2	1.4	.6	.8	2.4	148	37.5	78	93	65	0	2	5	1
SD ABERDEEN	28	6	39	-4	17	-2	T	-.1	T	T	0	25.7	146	89	54	0	7	0	0
HURON	32	7	40	-1	20	-2	T	-.1	T	T	0	27.4	149	87	47	0	7	0	0
RAPID CITY	36	13	51	-3	25	-3	T	-.1	T	T	4	21.5	134	96	54	0	7	1	0
SIOUX FALLS	28	9	35	1	19	-3	T	-.2	T	T	0	30.5	128	86	48	0	7	0	0
TN CHATTANOOGA	51	37	64	24	44	2	2.7	1.5	1.1	3.4	162	40.9	83	97	67	0	2	5	2
KNOXVILLE	49	33	63	20	41	-1	3.4	2.4	1.7	3.6	188	32.0	72	99	73	0	3	5	3
MEMPHIS	52	36	66	28	44	-1	3.0	1.8	1.4	3.0	143	37.8	77	87	55	0	4	3	2
NASHVILLE	49	33	63	22	41	-2	1.7	.7	.9	2.1	110	30.4	66	87	59	0	5	3	2
TX ABILENE	48	34	71	28	41	-7	.1	-.1	.1	.3	69	30.2	132	93	62	0	4	2	0
AMARILLO	43	24	55	12	34	-6	.3	.2	.2	.3	200	24.9	132	92	56	0	7	3	0
AUSTIN	56	43	71	33	50	-4	1.6	1.2	.7	1.7	190	31.0	102	95	68	0	0	5	1
BEAUMONT	61	44	77	36	53	-3	1.1	0	.6	1.1	54	55.8	111	97	67	0	0	3	1
BROWNSVILLE	66	52	80	38	59	-4	.4	.1	.3	.4	77	25.7	104	96	72	0	0	3	0
CORPUS CHRISTI	63	48	77	31	56	-4	.2	0	.2	.2	43	27.8	95	95	67	0	1	1	0
DEL RIO	58	47	67	29	52	-1	.7	.5	.5	.8	319	23.6	140	--	--	0	1	5	0
EL PASO	50	31	62	20	41	-4	.6	.5	.4	.6	454	11.5	151	95	50	0	4	3	0
FORT WORTH	51	37	64	29	44	-5	.7	.3	.4	.8	101	30.8	108	93	60	0	2	4	0
GALVESTON	60	49	73	40	55	-3	.6	-.3	.3	.6	38	32.0	84	96	75	0	0	3	0
HOUSTON	61	44	78	35	53	-2	.3	-.6	.1	.3	18	39.5	93	95	66	0	0	3	0
LUBBOCK	47	29	65	22	38	-4	.3	.2	.2	.3	213	25.6	146	99	66	0	5	3	0
MIDLAND	50	31	73	22	41	-6	.4	.3	.4	.4	169	29.1	216	95	56	0	4	3	0
SAN ANGELO	51	35	71	25	43	-6	.3	.2	.2	.4	132	30.7	172	95	69	0	4	4	0
SAN ANTONIO	59	45	72	32	52	-2	.6	.3	.2	.8	118	36.4	128	95	71	0	1	4	0
VICTORIA	62	46	75	33	54	-3	.2	-.3	.1	.2	16	35.2	99	95	68	0	0	3	0
WACO	52	40	66	32	46	-5	.3	-.2	.2	.4	50	32.6	109	97	71	0	1	3	0
WICHITA FALLS	50	32	68	27	41	-4	.4	.1	.4	.5	98	34.1	131	94	62	0	4	2	0
UT BLANDING	40	18	44	11	29	-2	T	-.2	T	.7	135	15.9	146	90	65	0	7	1	0
CEDAR CITY	39	18	49	9	29	-3	T	-.1	T	.5	166	11.5	116	88	44	0	7	1	0
SALT LAKE CITY	38	21	44	15	30	-2	T	-.3	T	T	8	19.4	134	82	44	0	7	0	0
VT BURLINGTON	33	13	42	1	23	-2	.3	-.3	.2	.8	76	39.8	123	85	45	0	7	2	0
VA NORFOLK	55	40	71	25	48	3	.9	.2	.8	1.8	140	24.5	57	95	58	0	2	4	1
RICHMOND	51	36	64	22	43	2	1.3	.5	.7	2.4	166	33.8	80	91	54	0	2	2	2
ROANOKE	49	33	60	17	41	1	1.1	.5	.7	3.0	253	31.3	84	93	52	0	2	4	1
WA COLVILLE	29	20	33	7	25	-4	.1	-.5	.1	.3	28	20.6	128	96	93	0	7	1	0
QUILLAYUTE	50	30	54	23	40	-1	1.4	-2.3	.9	1.8	27	89.4	94	99	76	0	5	3	1
SEATTLE-TACOMA	45	34	47	29	39	-2	.3	-1.2	.2	.4	16	35.1	101	96	69	0	3	3	0
SPOKANE	26	14	30	4	20	-10	.2	-.4	.2	.6	55	15.0	98	99	87	0	7	2	0
YAKIMA	29	20	36	11	24	-8	.2	-.1	.2	.4	83	8.9	124	99	83	0	7	1	0
WV BECKLEY	45	29	56	14	37	2	1.2	.5	.7	1.5	112	37.1	92	87	56	0	5	4	1
CHARLESTON	46	31	62	16	38	0	1.5	.8	1.2	2.1	153	43.9	108	95	56	0	5	4	1
HUNTINGTON	46	31	59	17	38	0	1.3	.6	1.1	2.6	198	38.5	99	91	57	0	5	2	1
PARKERSBURG	44	29	59	16	37	0	.9	.3	.5	2.5	224	37.6	95	93	59	0	5	2	0
WI GREEN BAY	24	7	35	-9	16	-7	.3	-.1	.1	.5	74	31.2	115	91	63	0	7	3	0
LA CROSSE	23	4	31	-8	14	-10	.1	-.2	.1	.4	73	32.1	108	86	59	0	7	1	0
MADISON	25	7	34	-8	16	-9	.3	0	.2	.6	80	31.7	106	90	64	0	7	3	0
MILWAUKEE	28	13	38	1	21	-6	.8	.3	.4	1.1	116	41.8	140	87	55	0	6	4	0
WAUSAU	21	3	34	-12	12	-9	.1	-.2	.1	.5	75	31.1	100	80	52	0	7	3	0
WY CASPER	30	11	40	-12	21	-6	.2	0	.1	.3	104	16.1	144	78	57	0	7	2	0
CHEYENNE	33	12	43	-2	22	-8	.2	.1	.1	.2	95	14.5	111	85	49	0	7	3	0
LANDER	25	4	36	-9	14	-10	.2	.1	.2	.2	85	12.1	94	87	59	0	7	2	0
SHERIDAN	38	13	45	-1	25	-1	.1	0	.1	.1	38	16.1	111	88	54	0	7	1	0
PR SAN JUAN	84	72	85	70	78	0	1.2	.2	.5	1.6	77	52.5	103	97	67	0	0	5	0

Based on 1951-80 normals.

National Agricultural Summary

December 8 to 14, 1986

HIGHLIGHTS: Rain and wet fields hampered cotton and soybean harvests in the Delta, southern Great Plains, and the Southeast. However, farmers made appreciable harvest gains in some Southeastern States. Winter wheat benefited from moisture, but cooler temperatures slowed growth in the central and southern Great Plains. Soil moisture was adequate to surplus in the eastern half of the Nation, especially in the Southeast, Delta, and southern Great Plains. Moisture is needed in the Southwest. Farmers worked 3 days or less in the Southeast and Delta.

Winter wheat was mostly good to fair. Rain slowed seeding in the Southeast, while the lack of rain hampered germination in California. Snow cover was inadequate throughout much of the northern and central Plains and in some Rocky Mountain States. Soybeans were 94 percent (%) harvested in the 19 major producing States, 3 percentage points below the 5-year average. Harvest was virtually complete in the Corn Belt. Frozen ground enabled farmers to harvest most of the remaining corn in the Corn Belt. Cotton was 77% harvested, up 2 points from the previous week but still lagged 10 points behind normal. Livestock was mostly good. Supplemental feeding increased in most areas.

SMALL GRAINS: Winter wheat was mostly good to fair. Rain continued hampering seeding in the Southeast, but some States were able to make significant gains. Seeding was up 10 points from the previous week in Georgia to 80% completion. This compares with 77% seeded in 1985 and 82% normally. Seeding was 86% finished in Mississippi and 90% finished in Louisiana, with both States equaling last year but 2 points behind normal. In Kansas, wheat had adequate moisture, but cold temperatures restricted growth. Kentucky's wheat was good, and most fields were very green. Winter grains lacked proper snow cover in Minnesota, Montana, and North Dakota. Early seeded wheat progressed well and provided grazing for cattle in Oklahoma. Most fields, left to be seeded, were still too wet. Cold temperatures slowed growth, but small grains continued progressing well, in Texas. Excess moisture caused some yellowing. In California, small grain seeding continued, but the lack of rain slowed germination.

SOYBEANS: Soybean harvest was up 3 points from the previous week in the 19 major producing States, but sizable gains were in a few States in the Southeast despite rain. Harvest was 94% finished compared with 93% last year and the 97% average. Most of the soybean acreage left to be harvested is in the Delta and Southeast. North Carolina producers harvested 14% of the acreage in 1 week but was still 19 points behind normal at 63% completion. Wet condition continued damaging unharvested soybeans. Harvest surged 10 points from the previous week in South Carolina to 74% completion. Normally, 80% of the acreage would be combined by this date. The unharvested crop was deteriorating in fields. Missouri's harvest lagged 13 points behind normal. Rain and wet fields prevented harvest from gaining more than 3 points from the previous week. Harvest stayed the same in Tennessee and was 18 points below normal. Illinois, Iowa, Michigan, and Ohio completed their harvest.

COTTON: In the 14 major producing States, cotton was 77% harvested, lagging 9 points behind 1985 and 10 points behind the average. Rain slowed progress to only a 2-point gain from the previous week. In Oklahoma, harvest remained at 25% completion, but the gap widened to 35 points below normal. Wet fields prevented harvest activity. Cotton harvest progressed little, as snow and drizzle kept most equipment idle in Texas. Growers were concerned about further yield and quality reductions, as cotton deteriorated in fields. Harvest quickly gained momentum, as fields dried, increasing 4 points from the previous week. Fifty-nine percent of the acreage was picked compared with 78% normally. California's harvest neared completion. Some growers were making second pickings. New Mexico's harvest was 25 points below the 93% average.

OTHER CROPS: Wet conditions interrupted peanut harvest in Texas; however, only a few fields remain to be dug. Some growers reported excellent yields.

Burley marketing continued as producers await shut-down for Christmas. Tobacco bed preparation continued in the Southeast.

Florida's sugarcane harvest progressed well. Wetness slowed sugarbeet harvest in Texas. Growers were concerned about low sugar content. In the Rio Grande Valley, sugarcane harvest moved at a good pace.

FRUIT AND NUTS: In Florida, grove caretakers were completing winterizing activities and irrigation continued. Orange harvest was active, while grapefruit movement increased. Fresh harvest of dancy tangerines and tangelos was very active. Cooler temperatures improved citrus sugar content in Texas. Harvest continued with good quality. Pecans were harvested across the State, and some areas neared completion. Yields were erratic, but quality was fair to good. California fruit and nut growers were busy pruning and cleaning orchards. Rain is needed to activate pre-emergent herbicide applications. Fog and dampness slowed navel orange harvest, but quality and yield were good. Mandarins, desert grapefruit, lemons, and tangerines were harvested. Citrus packing moved ahead in Arizona. Lemons, grapefruit, navel and sweet oranges, and tangerines were shipped.

VEGETABLES: Vegetables were actively harvested in Florida. Tomatoes, green peppers, cucumbers, celery, sweet corn, squash, and snap beans were volume leaders. Snow interruped land preparation in the Trans-Pecos area of Texas. Rain delayed vegetable harvest in the Rio Grande Valley. In Arizona, vegetable harvest was active but was interrupted by rain. Late winter vegetable planting continued, with good stands established thus far. In California, artichoke, broccoli, and celery harvests were moderate in Salinas. Cauliflower harvest was fairly light in Santa Maria. Asparagus fern was cut and burned in preparation for early January harvest. Spring planted broccoli was emerging at Westside.

PASTURES AND LIVESTOCK: Livestock was mostly good. Supplemental feeding increased in most areas. Small grains were grazed in some areas. Pastures were mostly fair.

CROP PROGRESS

FOR WEEK ENDING DECEMBER 14, 1986

WINTER WHEAT % EMERGED	1986	1985	AVG.
ARK	90	NA	NA
CALIF	45	55	51
COLO	97	98	95
GA	69	65	NA
IDAHO	100	100	100
ILL	100	100	100
IND	100	100	100
KANS	97	95	100
MICH	100	100	NA
MO	77	93	93
MONT	80	80	88
NEBR	100	100	100
N MEX	100	NA	NA
N C	85	NA	NA
OHIO	100	100	100
OKLA	90	97	95
OREG	98	92	96
S DAK	100	100	100
TEX	98	90	95
WASH	100	100	100
20 STATES	94	NA	NA
EXCL. STATES WITH NA	94	94	96

THESE 20 STATES PRODUCED 91% OF THE 1985 WINTER WHEAT CROP.

NA - NOT AVAILABLE.

SOYBEANS % HARVESTED	1986	1985	AVG.
ALA	91	95	96
ARK	90	93	97
GA	79	76	86
ILL	100	99	100
IND	99	98	100
IOWA	100	99	100
KANS	90	95	100
KY	94	90	97
LA	98	98	98
MICH	100	90	98
MINN	99	99	99
MISS	91	96	94
MO	79	70	92
NEBR	100	100	100
N C	63	62	82
OHIO	100	98	100
S C	74	56	80
S DAK	100	100	100
TENN	80	98	98
19 STATES	94	93	97

THESE 19 STATES PRODUCED 96% OF THE 1985 SOYBEANS CROP.

COTTON % HARVESTED	1986	1985	AVG.
ALA	99	100	100
ARIZ	97	92	93
ARK	99	100	99
CALIF	98	94	96
GA	88	93	94
LA	100	99	98
MISS	100	99	96
MO	99	97	98
N MEX	68	90	93
N C	94	89	94
OKLA	25	55	60
S C	92	100	100
TENN	98	97	97
TEX	59	77	78
14 STATES	77	86	87

THESE 14 STATES PRODUCED 100% OF THE 1985 COTTON CROP.

Crop Condition Percent

WINTER WHEAT

STATE	VP	P	F	G	EX
ARK	0	0	0	67	33
COLO	1	3	24	65	7
GA	0	1	36	62	1
MICH	5	20	40	30	5
MO	3	15	53	29	0
MONT	0	0	70	30	0
N MEX	0	0	45	55	0
N C	0	0	17	78	5
OKLA	0	5	40	50	5
OREG	0	0	10	60	30
TEX	0	0	29	54	17
WASH	0	0	5	95	0

VP - VERY POOR P - POOR
F - FAIR G - GOOD EX - EXCELLENT

State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service.

ALABAMA: Temperatures averaged near normal. Rainfall totals averaged 1.00 to 2.00 in. Extreme northwest 3.00 to 6.00 in.

Days suitable for fieldwork 2.2. Soil moisture 24% adequate, 76% surplus. Harvesting soybeans; planting winter wheat; pruning fruit trees; routine care of livestock, poultry.

ARIZONA: Precipitation eastern two-thirds 8th. Skies mostly sunny 9th. Weather disturbance evening of 9th to 10th. Skies clear west, but showers of rain, snow, isolated thunderstorms east. Snow level down to 3,000 ft.; 1 to 17 in. White Mountain, 1 to 2 in. Superior-Globe, traces Safford, Tucson. Minimum readings 11th plunged to 11° below zero to 5° above in high country, teens at 5,000 ft., upper 20s and 30s in lower deserts. Latter part of week brought sunny skies, slow warming trend. Average temperatures for period varied from normal to 8° below.

Wheat, barley 35% planted; 30% 1985. Rains interrupted fieldwork. Stands established 9%, crops good. Cotton harvest winding down. Stalk shredding, plowdown mostly active. Alfalfa hay cut as weather permitted. Cool temperatures contributed to unfavorable curing conditions. Most growers finished harvest. Sheeping off gaining momentum, green chopping continued. Late corn crop harvested. Citrus packing moved ahead. Lemons, grapefruit, Navel and sweet oranges, tangerines shipped. Valencia oranges progressing well, all citrus groves good. Pecan harvest advanced. Seasonal apple shipping continued. Vegetable harvests active, interrupted by rains. Lettuce, cauliflower, broccoli, asparagus, mixed vegetables shipped. Late winter vegetable planting continued, established stands good.

ARKANSAS: Temperatures mostly below normal with rain first 3 days of week. Temperature extremes 17°; 69°. Rainfall 0.40 to 4.70 in.

Days suitable for fieldwork 3.0. Soil moisture 50% adequate, 50% surplus. Major activities: Harvest soybeans; market livestock; repair equipment.

CALIFORNIA: Low pressure brought rain mostly southern area. High pressure built behind system. Residual moisture, stable air mass, nighttime heat loss combined, producing foggy conditions coastal, inland valleys. Temperatures slightly below normal, many areas.

Foggy weather slowed fieldwork. Small grains planted, lack rainfall slowed germination. Cotton harvest neared completion. Some growers picking 2nd time. Burning rice stubble continued. Alfalfa fields going dormant, fields being sheeped-off. Pruning, floor clean-up; fruit, nut orchards. Pre-emergent application active; rain needed. Routine cultural practices, grape vineyard. Avocados harvested, large Hass sizes. Persimmons harvested. Navel orange harvest slowed from fog, damp; quality, yield good. Mandarins, desert grapefruit, lemons, tangerines harvested. Artichokes moderate, variable quality, Salinas. Asparagus fern cut, burned in preparation for harvest early January, Los Angeles-Orange County, Coachella Valley. Broccoli moderate, Salinas; fairly light, Santa Maria; good quality. Packing winter crop continued, Eastside; spring plantings emerging, Westside. Harvest active, desert; quality problems, few fields. Harvesting, discing old fields; Sacramento Valley, central coast. Carrot fairly light, Salinas, good quality. Light harvesting continued, Imperial-Coachella Valley. Seedbed preparation, land fumigation for next processing crop, Westside. Cauliflower fairly light, Santa Maria, good quality. Harvest active; Sacramento Valley, Westside, desert; good quality. Celery moderate, Salinas; fairly light, Santa Maria; good quality. Fall harvest, winter planting continued, Los Angeles-Orange County. Few fall lettuce packers operating, Firebaugh; fields for spring harvest being planted. Harvest continued, Palo Verde Valley; picked up, Imperial Valley. Onions for fresh market harvest next spring transplanted, Westside. Some Sacramento Valley fields, irrigated, lack rainfall. Fall potato packing sheds, Modoc, operating close to full-time, Siskiyou, few running. Steady but low prices, slow demand, shipments below last year. Harvesting of red, white varieties; Hemet; active. Sweetpotato hotbed preparation continued, Merced-Atwater. Seedbed preparation; peppers, tomatoes; mostly complete; central coast. Bed preparation, processing tomatoes; Westside. Foothill, valley ranges continued poor conditions, lack rainfall. Supplemental feeding heavy most districts. Hauling water many areas, ponds dry. Calving active.

COLORADO: Temperatures averaged 10° below to 1° above normal. Precipitation averaged 0.06 to 0.47 in.

Snow cover limited harvest of corn, sorghum.

FLORIDA: Scattered showers along mid to lower Atlantic Coast; otherwise dry, mild 8th, 9th. Wet cold front became stationary Panhandle 10th, 11th; elsewhere unseasonably warm, dry. Front pushed through Peninsula 12th followed by dry, cooler all areas except mild with isolated showers southeast. Rains averaged 2.00 to 3.00 in. north, 0.33 in. or less elsewhere except 1.00 in. southeast coast. Temperatures averaged near normal northwest to 4° above northeast, central; 7° above south.

Soil moisture mostly adequate Peninsula except shortages several mid-central areas. Moisture supplies Panhandle, upper north ranged from mostly adequate to surplus. Wet fields curtailed late harvest of soybeans, cotton, Panhandle with loss of quality, abandonment some fields expected. Small grain progress mostly favorable. Some fields show effects of surplus moisture. Sugarcane harvest good progress. Many warm season grasses, forage crops continued to provide some grazing. However, forage reduced some drier central areas. Armyworms, leaf spot evident some winter rye north. Grazing poor to good upper Peninsula; mostly good, central, south; fair to good Panhandle. Cattle good central, southern Peninsula except some west coast areas supplemental feeding underway. Elsewhere, fair to good. Warm temperatures citrus areas most of week; cooler late week. Irrigation continued. Orange harvest active, grapefruit movement increased. Fresh harvest Dancy tangerines, tangelos very active. Grove caretakers completing winterizing activities. Temperatures at or above normal except below normal at weekend. Precipitation limited to scattered, some locally heavy, showers. Harvest active. Volume leaders: tomatoes, green peppers, cucumbers, celery, sweet corn, squash, beans. Also available good quantity cabbage, radishes, eggplant, endive-escarole, lettuce, carrots. Light supply strawberries available.

GEORGIA: Temperatures 2 to 4° above normal north; 5 to 10° above normal, central, south. Much above normal temperatures through 11th, below normal temperatures over weekend. Temperature extremes 16° Clayton 14th; 82° Tifton 10th. Rain totals 1.00 to 2.00 in. except 2.00 to 4.00 in. extreme northwest, south.

Days suitable for fieldwork 1.9. Soil moisture 2% short, 35% adequate, 63% surplus. Cotton 2% very poor, 39% poor, 45% fair, 14% good. Sorghum grain 95% harvested, 97% 1985. Peanuts 99% threshed, 100% 1985, 100% avg. Soybeans 16% very poor, 46% poor, 33% fair, 5% good. Wheat 80% planted, 77% 1985, 82% avg. Rye 1% poor, 29% fair, 68% good, 2% excellent; 95% planted, 93% 1985, 94% avg. Other small grains 92% planted, 93% 1985, 91% avg. Pecans 13% poor, 64% fair, 23% good; 78% harvested, 87% 1985, 81% avg. Pasture 1% very poor, 7% poor, 48% fair, 43% good, 1% excellent. Cattle 1% poor, 33% fair, 65% good, 1% excellent. Hogs 21% fair, 75% good, 4% excellent. Main activities: Pecan harvest active, rains curtailed harvest, some supplemental feeding of livestock.

HAWAII: Light showers windward, mountain areas. Northeasterly winds, 5 to 15 mph, higher gusts some areas beginning week. Temperatures ranged upper 50s to mid 80s. Rainfall ranged none to 2.40 in.

Days suitable for fieldwork 7.0. Weather mostly favorable for crop development. Insect populations persistent some fields, cooler weather aided control. Banana, papaya growers maintained spray schedules minimizing disease damages. Bananas fair, harvesting active. Leafy vegetables mostly fair.

IDAHO: Below normal temperatures statewide. Below normal precipitation statewide, only Mountain locations reporting significant precipitation.

Limited farm activity includes fall plowing, hauling manure and processing onions. Livestock good, general care, feeding, culling cows. Hay, roughage supplies adequate to surplus.

ILLINOIS: Temperatures averaged 3 to 9° below normal. Precipitation 0.10 to 1.37 in.

Major farm activities: Fall tillage, spreading fertilizer, tending livestock.

INDIANA: Average temperatures 1 to 5° below normal. Lows single digit north. Highs near 60° south. Precipitation light, ranging from 0.25 to 0.50 in. north to 0.33 to 0.75 in. south. Snow cover northern counties nearly melted.

Muddy fields limited outside activities. Where conditions permitted spreading fertilizer, manure. Other activities: Attending meetings, making plans, repairing equipment; caring for livestock, usual chores.

IOWA: Cool, dry week. Precipitation over north, east central ended at beginning of week; little or none thereafter. One to 3 in. snow cover north depressed temperatures 3 or 4° more below normal than south.

Farm activities include late corn, soybean harvest, machinery repair, general livestock care.

KANSAS: Precipitation 0.20 in. northwest and west central, 1.10 in. east central, 0.50 to 0.90 in. elsewhere. Temperatures 29 to 31° west and north central, 32 to 36° elsewhere; normal three eastern districts, 5° below normal southwest, 1 to 3° below normal elsewhere.

Corn, sorghum harvest winding down. Soybean harvest slow pace. Wheat adequate moisture, cold temperatures, little growth.

KENTUCKY: Temperatures averaged 2° to 4° below normal. Mild early, then colder. High temperatures 50s to lower 60s. Lows end of week in teens. Rainfall first half; amounts ranged from 0.50 in. to around 3.00 in. Precipitation averaged 1.00 to 1.50 in.; normal 0.80 to 0.90 in.

Soil moisture ample. Some late harvesting of row crops; other fields too wet to support combines. Wheat continued good, most fields very green. Livestock satisfactory.

LOUISIANA: Temperature 1 to 3° below normal. Temperature extremes 30°; 80°. Rainfall averaged 0.98 to 1.60 in.

Days suitable for fieldwork 1.9. Soil moisture 18% adequate, 82% surplus. Sugarcane fair to good; 92% harvested, 85% 1985, 88% avg. Pecans 90% harvested, 93% 1985, 83% avg. Wheat fair; 90% planted, 90% 1985, 92% avg.; 82% emerged, 78% 1985, 86% avg. Vegetables fair; pastures, livestock fair to good. Main activities: Harvesting pecans, soybeans, sugarcane; planting wheat.

MARYLAND & DELAWARE: Maryland: Temperatures averaged 4 to 5° above normal north, central and 1 to 3° above elsewhere. High temperatures mid 50s to low 60s; lows mid 20s except extreme west in teens. Precipitation averaged 1.31 in., ranging from 0.74 in. Hagerstown to 1.88 in. Patuxent.

Days suitable for fieldwork 2.6 days. Topsoil moisture mostly adequate but surplus on some heavier soils. Subsoil moisture adequate. Corn harvest complete. Soybean harvest 98% complete. Only a few wet fields remain to be harvested. Small grains look good but have longer growth than normal for this time of year.

Delaware: Temperatures averaged 2 to 3° above normal. Highs in upper 50s to mid 60s; lows in high teens to low 20s. Precipitation 1.34 in., ranging from 0.68 in. Georgetown to 1.93 in. Dover.

Days suitable for fieldwork 3.0. Topsoil moisture adequate. Subsoil moisture adequate. Corn harvest complete. Soybean harvest complete on all but a few fields. Small grain planting winding up.

MICHIGAN: Temperatures ranged 2 to 8° below normal. Temperature extremes -3°; 40°. Precipitation ranged from 0.15 to 0.95 in. across State. Snow covers upper Peninsula, northern lower Peninsula. Snow last week melted south.

Soybeans 100% harvested, 1985 90%, 98% avg. Winter wheat 100% emerged, 1985 100%; 5% very poor, 20% poor, 40% fair, 30% good, 5% excellent. Activities: Corn harvesting, caring for livestock, machinery maintenance. Roughage shortages upper Peninsula; some hay shipped from lower Peninsula. Feed shortages caused herd reductions upper Peninsula. Some apple training on orchards.

MINNESOTA: Temperatures averaged 4 to 9° below normal for State. Temperature extremes -22°; 44°. Precipitation averaged near normal to 0.15 in. below normal for State. Greatest weekly total 0.60 in. Snow fall averaged 1 to -4 in. statewide. Snow depth weeks end averaged 1 to -7 in., heaviest northeast.

Virtually all fieldwork done for year. Little corn harvested. Most normal fall activities completed, ready for spring. Lack of snow cover may affect winter grains, alfalfa. Livestock satisfactory.

MISSISSIPPI: Temperatures 6° below to 2° above normal, extremes 22°; 78°. Quite wet, cloudy and cool. Greatest daily total 4.90 in. Iuka.

Days suitable for fieldwork 0.4, 2.2 1985, 2.1 avg. Soil moisture surplus. Wheat 86% planted, 86% 1985, 88% avg.; fair to good. Pecans 87% harvested, 85% 1985, 85% avg.

MISSOURI: Temperatures averaged 3° below normal. Rainfall averaged around 1.00 in. except Bootheel with up to 3.00 in. or more.

Fieldwork generally limited by weather. Soil moisture adequate to surplus. Corn harvested 91%, 85% 1985, 96% avg. Sorghum grain harvested 90%, 85% 1985, 95% avg. Muddy fields delaying harvest. Pastures fair to good.

MONTANA: Temperatures 6 to 10° below normal west of divide, southwest. Elsewhere, near normal. Little if any precipitation. Soil moisture mostly adequate. Winter wheat snow cover protection poor to fair. Livestock feed requirements low with mild weather, mostly open grazing.

NEBRASKA: Temperatures ranged 3 to 5° below normal. Rainfall light across State. Temperature extremes -10°; 54°.

Need cold, dry weather to finish up harvest of crops on low-lying wet ground.

NEVADA: High pressure ridge continued to divert storm activity away for second consecutive week. Some rainfall extreme south, otherwise conditions mainly dry elsewhere. Clear skies resulted temperatures 1 to 6° below normal most areas.

Cold weather increased livestock feeding requirements. Movement potatoes to market also slowed by freezing temperatures.

NEW ENGLAND: Precipitation averaged 0.25 to 0.50 in. western Vermont, western Massachusetts. Eastern Massachusetts 1.00 to 1.25 in. Elsewhere, 0.50 to 1.00 in. Cold week. Northern areas 4 to 6° below normal. Northern Maine, 9° below normal. Southern areas 2 to 4° below normal.

Major farm activities: Repairing machinery, tending livestock, moving crops from storage.

NEW JERSEY: Temperatures near normal, averaging 30° north, 36° south, 40° coastal. Extremes 0°; 63°. Precipitation above normal, averaging 1.01 in. north, 1.73 in. south, 1.94 in. coastal. Heaviest 24-hour total 1.11 in. on 9th, 10th. Heaviest 24-hour snow fall 3 in on 11th, 12th. Depth of snow on 15th morning 2 in.

Soil moisture continued ample to excessive. Combining of soybeans, corn for grain advanced as conditions permitted. Fruit pruning, firewood cutting, snow fence installation, other winter chores tended to. Many farmers took week for deer hunting.

NEW MEXICO: Weekly average temperatures 3 to 8° below normal most areas. Winter storm moved into State first of week. Precipitation totals ranged from none extreme northern mountains to 1.12 in. western mountains.

Days suitable for fieldwork 4.6. Soil moisture 78% adequate, 22% surplus. Cotton 20% poor, 40% fair, 40% good. Barley 20% fair, 60% good, 20% excellent. Irrigated grain sorghum 33% fair, 67% good. Dryland grain sorghum 50% fair, 50% good. Pecans 100% good. Chile 100% good. Cattle 100% good. Sheep 100% good. Range 22% fair, 78% good.

NEW YORK: Several weather systems moved through State leaving precipitation in form of snow or rain. Most precipitation occurred on 9th. Temperatures fluctuated wildly as well from highs of 55° New York City to -13° Newcomb.

Farmers continued harvesting corn, weather permitting, tending livestock, doing routine farm chores.

NORTH CAROLINA: Temperatures averaged 6° above normal, coastal plain region; 4° above normal rest of State. Temperature extremes 16°; 78°. Precipitation ranged from 0.89 to 3.28 in.

Days suitable for fieldwork 2.0. Soil moisture 6% short, 72% adequate, 22% surplus. Cotton harvest average. Soybean harvest well behind average. Wet conditions damaging unharvested crop. Wheat planting average. Small grain fair to mostly good. Pasture 13% poor, 36% fair, 50% good, 1% excellent. Major farm activities: Harvesting soybeans, cotton, sorghum; tending livestock; seeding small grains; preparing tobacco plant beds; grading, stripping, marketing burley tobacco; cutting firewood; pruning fruit trees; repairing equipment; conservation work; mowing; general farm maintenance.

NORTH DAKOTA: Cooler weather, light precipitation moved over much of State during week. Temperatures averaged 2 to 8° below normal for week. Extremes ranged from -19° 12th to 43° 13th. Precipitation amounts averaged near or below normal everywhere except northeast. Petersburg received 0.75 in. of precipitation.

Great variation in temperatures, from near normal to well below normal then back to normal by week's end, causing stress on young livestock. Light snow received, but still mostly inadequate cover for winter wheat.

OHIO: Temperatures averaged 2 to 4° subnormal. Precipitation 0.33 to 0.50 in. north, 0.50 to 1.00 in. south.

Sub-freezing temperatures froze soil surface enough to allow harvest of previously wet, soft fields. No snow cover anywhere in State. Farm activities mostly caring for livestock, storing machinery.

OKLAHOMA: Temperatures averaged 3° below normal north central, northeast, southwest to 8° below normal Panhandle. Precipitation averaged 0.39 in. west central to 1.04 in. east central.

Wheat 5% poor, 40% fair, 50% good, 5% excellent; 90% emerged, 97% 1985, 95% avg. Early seeded wheat making good progress, providing grazing for cattle. Some fields still too wet to plant. Cotton 25% harvested, 55% 1985, 60% avg. Wet fields prevented harvesting activity. Pastures good; livestock good, prices down from preceding week.

OREGON: Temperatures continued below normal for second consecutive week. East of Cascades overnight lows in single digits, teens. West of Cascades ranged from 1 to 5° below normal. Greatest precipitation northwest 0.50 to 1.25 in. Southwest, east generally less than 0.10 in. of precipitation.

Soil moisture 100% adequate. Fall seeded grain, grass seed crops good to excellent. Some eastern areas snow covered; crop development adequate for cold winter weather. Fruit, nut tree pruning continued west. Caneberry training continued. Other fruit, vegetable activity virtually complete; some root vegetable harvesting wrapping up. Livestock, range, pasture mostly good. Hay requirements much below last year.

PENNSYLVANIA: Mild, wet at beginning; cold, dry end of week. Average temperature 32°, normal 32°. Temperature extremes 3°; 59°. Average precipitation 0.75 in., 0.03 in. above normal.

Activities: Harvesting corn, soybeans; grading potatoes; hauling manure; cutting firewood; machinery maintenance; caring for livestock.

PUERTO RICO: Island average rainfall 0.50 to 0.56 in. below normal. Highest weekly total 2.01 in. Highest 24-hour total 0.81 in. Temperature averaged about 78 to 79° on coasts, 75° interior divisions. Mean station temperature ranged from 74 to 81°. Extremes 60°; 92°. Mean temperature 78°. rainfall 0.82 minus 0.28.

SOUTH CAROLINA: Weather warmer, wetter than usual. Rainfall varied, 1.00 to 2.00 in., heavier coastal plains. Clear, cooler weather weekend.

Cotton 92% harvested, 100% 1985, 100% avg. Condition of unharvested crop poor. Soybeans poor; mature 100%; 74% harvested, 56% 1985, 80% avg. Unharvested crop deteriorating in field; need period of clear, cold weather to complete harvest. Dry weather needed to complete small grain planting.

SOUTH DAKOTA: Average temperatures ranged 6° below to 4° above normal. Extremes -7°; 51°. Black Hills low -17°. Little if any precipitation.

Dry, mild weather allowing completion of harvest. Little to no snow cover; winter grains remain good. Cattle on stubble. Livestock good to excellent. Feed, stock water supplies adequate.

TENNESSEE: Substantial rainfall across entire State early midweek. Rainfall totals 2.00 to 3.00 in. Temperatures averaged near normal. High mid 60s. Low into teens.

No harvesting progress. Cotton 98% harvested, 97% 1985, 97% avg. Soybeans 80% harvested, 98% 1985, 98% avg.

TEXAS: Showers, thunderstorms much State early week as cool air overrun by warm, moist air. Flash flood watches issued east because already saturated ground. Midweek another weather disturbance from west combined cold Arctic air from north, produce rain, sleet, snow. Winter storm watches, warnings, travelers advisers posted much State. Snow along corridor southwest to north central. Cloudiness decreased weekend. Temperatures below normal. Precipitation much State above normal.

Crops: Grain sorghum harvest curtailed by snow, drizzle, little opportunity remaining harvest. Drying conditions needed. Harvested 98%, 97% 1985, 99% avg. Cotton harvest limited progress as snow, drizzle kept most equipment idle. Gins caught up on most backlogs. Concern over further loss yield, quality; cotton deteriorates in field. As soils dry, harvest activity quickly gain momentum. Some cotton continued shredded, yield prospects so poor. Open bolls 96%, 100% 1985, 100% avg. Small grains good progress; some drying conditions helpful. Some yellowing from excess moisture, cold temperatures slowed growth. Except some scattered fields most wheat planted, grazing utilized where field conditions allow. Wheat planted 100%, 96% 1985, 99% avg. Peanut harvest interrupted wet field conditions. Only scattered fields remain. Some excellent yields. Harvested 98%, 85% 1985, 95% avg. Soybean harvest progressed slowly, damp conditions interrupted progress. Prospects most remaining fields poor. Harvested 95%, 79% 1985, 94% avg. Harvest sugarbeets slowed by wet fields. Low sugar content major concern. Sugarcane harvest progressed good pace Rio Grande Valley. Other crops harvested: Sunflowers 95%, 92% 1985, 97% avg. Sugarbeets 74%, 86% 1985, 97% avg. Pecans 88%, 65% 1985, 76% avg. Other crops planted: Oats 96%, 87% 1985, 96% avg.

Commercial Vegetables: Rio Grande Valley, harvest peppers, tomatoes, cucumbers, broccoli continued. Some weather delays. Onion planting good progress. Citrus harvest continued good quality. Improved sugar content recent cooler temperatures. Good sizes available. San Antonio-Winter Garden spinach affected by white rust. Harvest of spinach, carrots, greens, cabbage continued. Onion seeding active, early stands looking good. Trans-Pecos land preparation cantaloups underway. Snowfall interrupted progress. High Plains some carrots harvested. Pecans harvested across State, some areas near completion. Yields erratic, fair to good quality. Prices good.

Range and Pasture: Increased supplemental feeding necessary as cold, damp conditions prevailed most week. Frost south, east ended most warm season grasses. Livestock remained good with forage available from small grains, sorghum, corn stubble, native pastures. Hay supplies adequate.

UTAH: Precipitation light to moderate. Temperature maximum 6° below to 1° above normal. Minimums normal to 7° above.

Open winter favors livestock grazing winter range, crop residues. Feed supplies adequate. Livestock generally good. Major farm activities: Livestock chores, equipment repair, manure handling, year end records.

VIRGINIA: Cloudy, above normal temperatures beginning, sunny below normal temperatures end period. Precipitation widespread through mid-period, average 1.25 in.

Wet weather held days suitable for fieldwork to 1.1. Topsoil moisture 2% short, 34% adequate, 64% surplus. Soybean harvest 78% complete, 75% 1985, 87% avg. Small grains good to excellent. Pastures good. Calving, lambing active. Feeding livestock. Feed supply short north. Marketed dark fire-cured, burley tobacco. Meetings, tax planning, ASCS disaster program sign-up.

WASHINGTON: Strong high pressure aloft held moist cold layer near surface across State, clear on coast, areas of freezing drizzle, scattered rain.

Days suitable for fieldwork 4.0. Soil moisture 10% short, 80% adequate, 10% surplus. Very little snow cover on winter wheat. No negative effect expected unless temperatures drop significantly. Cattle now mostly on feed hay. Pruning continued in orchards.

WEST VIRGINIA: Temperatures normal to 4° above normal. Extremes 64° Creston; 1° Greenbank, average 36°. Precipitation above normal. Extremes 2.23 in. Terra Alta; 0.38 in. Moorefield, average 1.20 in.

Soil moisture 91% surplus, 9% adequate.

WISCONSIN: Very cold week; warmer on 14th. Low -22°, high 42°. Precipitation spotty. Snowfall trace southeast to 7 in. northeast. Most areas 1 to 3 in. Frost depths increased.

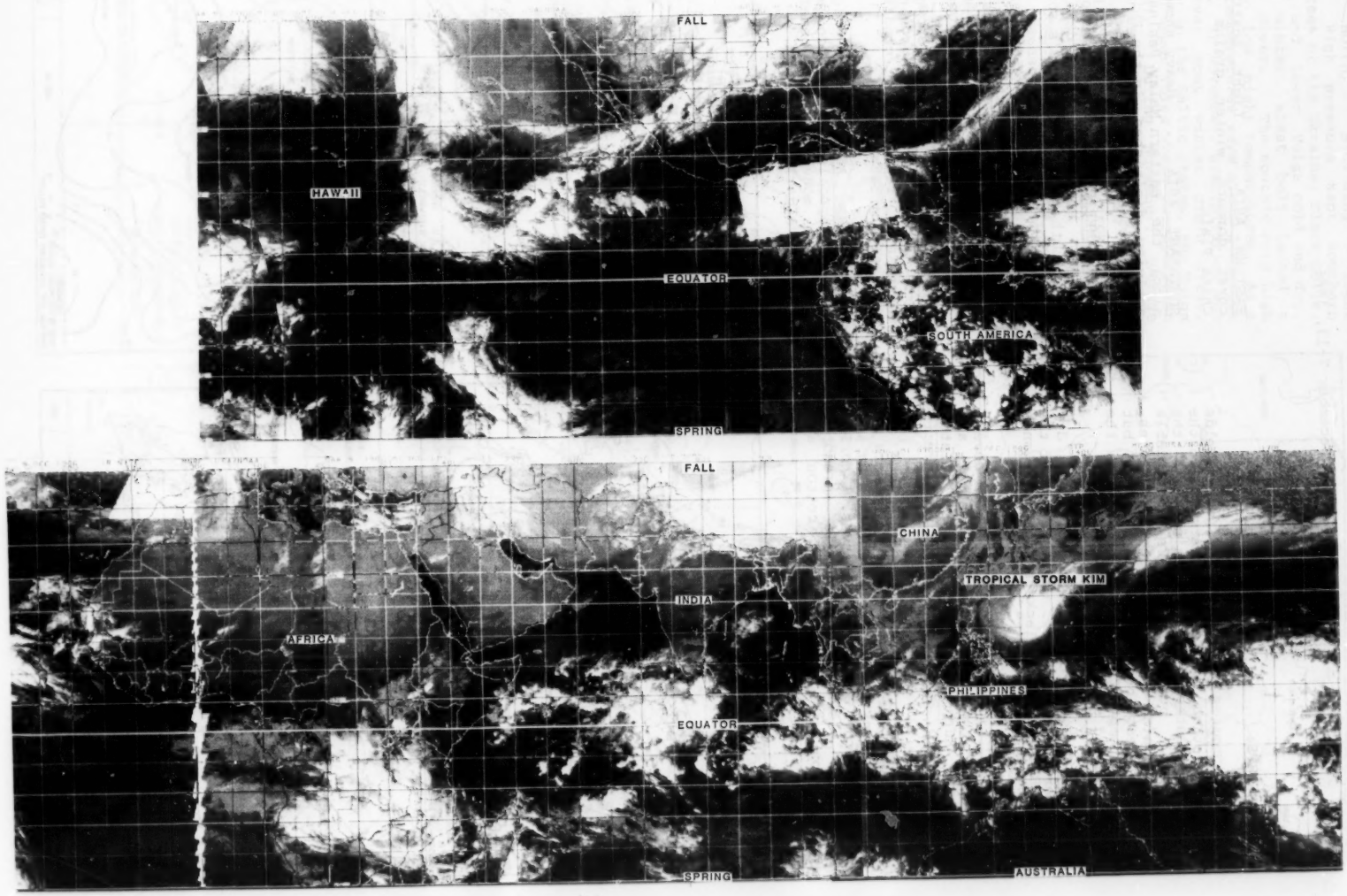
Hard ground enabled farmers to get into fields for corn harvest, manure hauling, other activities.

WYOMING: Temperatures below normal. Central, southeast above normal precipitation, elsewhere below normal.

Corn harvest continued, damp cool weather slowed drying. Winter wheat mostly good. Livestock good with supplemental feeding in areas with snow cover.

Global Weather Satellite Image

December 8-9, 1986



International Weather and Crop Summary

December 7-13, 1986

HIGHLIGHTS:

UNITED STATES ... Rain and wet fields hamper cotton and soybean harvests in the Delta, southern Great Plains, and the Southeast, but farmers make appreciable harvest gains in some Southeastern States. Winter wheat benefits from moisture, but cooler temperatures slow growth in the northern and central Great Plains.

WESTERN U.S.S.R. ... Unseasonable cold, dry weather covers winter wheat. Most of the winter wheat belt lacks a protective snow cover.

EUROPE ... Mostly dry weather covers dormant winter grains in central and eastern Europe. Light showers moisten topsoils in Spain, but subsoil moisture is limited.

SOUTH ASIA ... Light to moderate showers in the northern wheat areas of Pakistan and India improve moisture reserves. Drier weather elsewhere in India promotes maturation and harvesting of cotton and rice.

EASTERN ASIA ... Light, scattered showers cover dormant winter grains in the North China Plain.

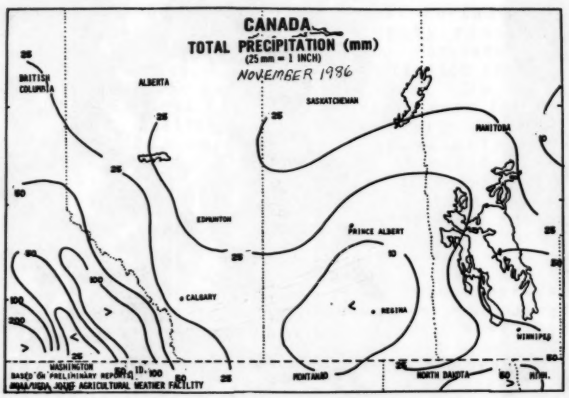
SOUTHEAST ASIA ... Heavy showers continue along the eastern Malay Peninsula. Shower activity diminishes in the Philippines and along Vietnam's central coast.

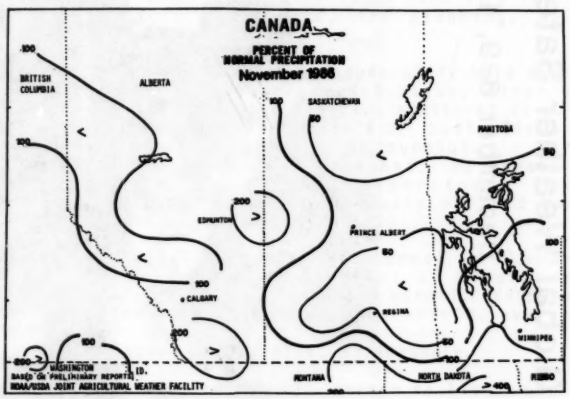
SOUTH AMERICA ... Showers benefit Brazil's northern soybeans, while drier weather in the south and in Argentina's southern wheat area favors fieldwork.

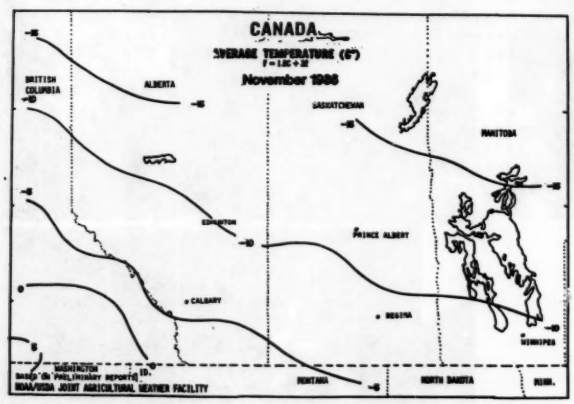
AUSTRALIA ... Harvest activity continues in Australia's wheat areas. Moderate showers in the southeast slow harvesting but favor vegetative growth of summer crops.

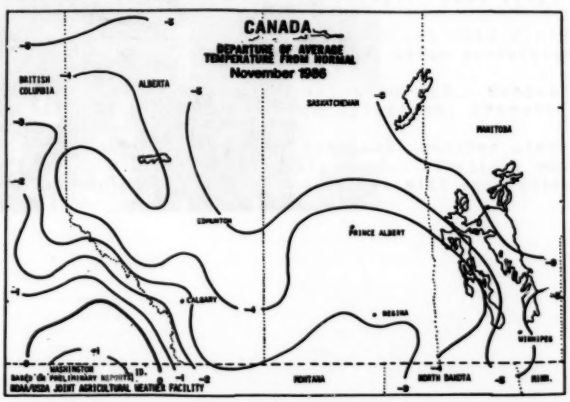
SOUTH AFRICA ... Scattered showers in South Africa's major corn growing regions maintain favorable conditions for vegetative growth.

NORTHWESTERN AFRICA ... Light showers moisten topsoils in Morocco and Tunisia. Light to moderate rain benefits winter grains in Algeria.

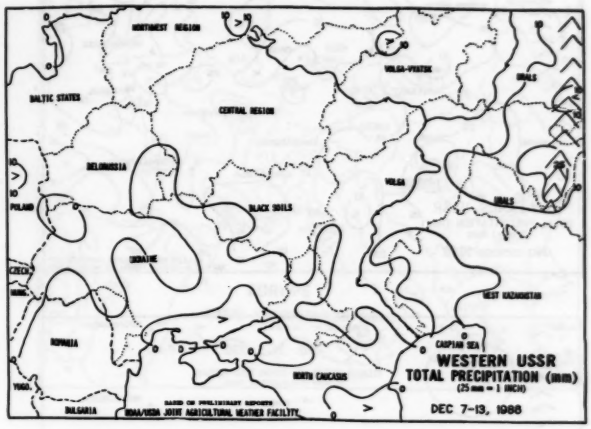


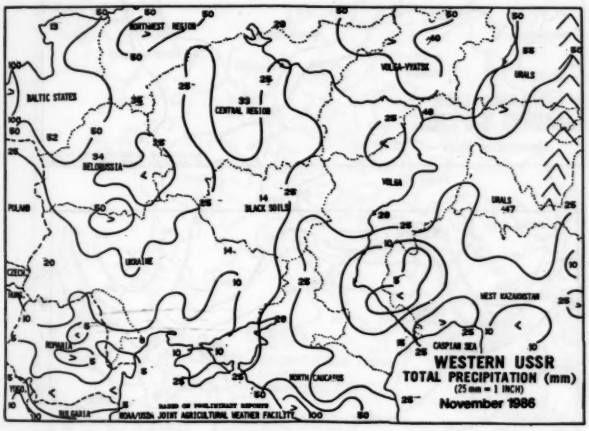


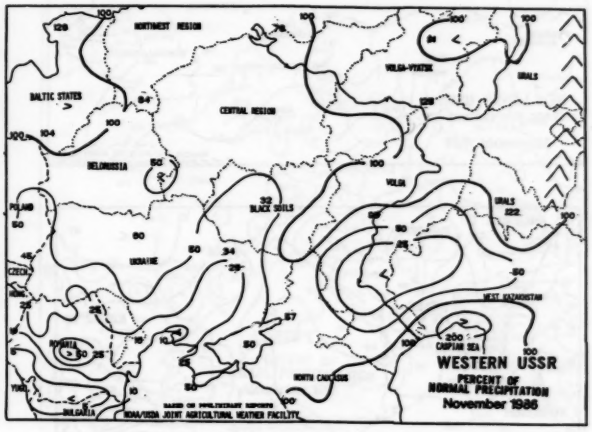


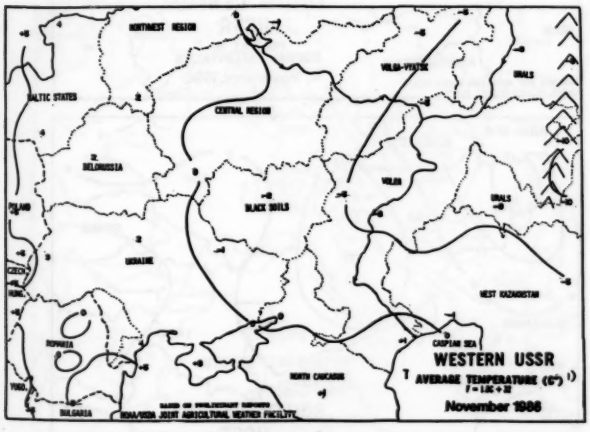


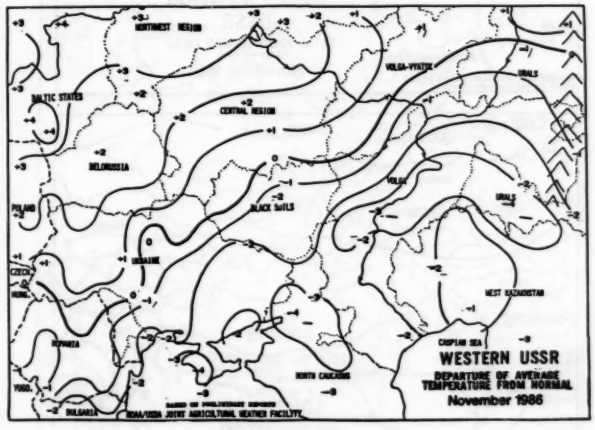
WESTERN U.S.S.R. ... A series of storms moved across the north, providing light precipitation. High pressure kept southern winter wheat areas of the Ukraine, Black Soils, North Caucasus, and lower Volga cold and dry. Most of the winter wheat belt lacked a protective snow cover. The south's cold high caused extremely low night temperatures. As a result, weekly temperatures were about 2 degrees C below normal. In November, precipitation was below normal over most winter grain areas, except for those in the Baltic States, the Volga Vyatsk, and the upper Volga where precipitation was above normal. During November, average daily temperatures over most of European U.S.S.R. remained below normal and below 5 degrees C, inhibiting additional crop growth. November's cold weather pattern provided sufficient hardening for winter grains. However, the combination of dry planting conditions and unseasonable cold autumn weather over the Ukraine and North Causasus has likely caused spotty winter grain emergence and reduced plant vigor, making the crop more susceptible to potential winterkill.

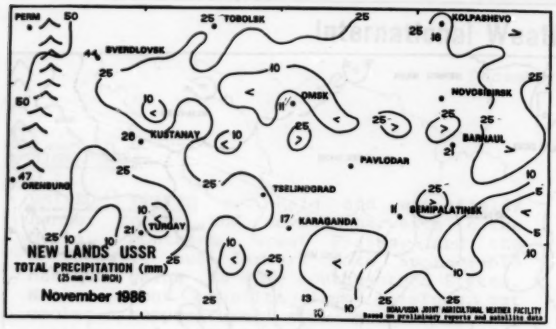











PERM
SVERDLOVSK
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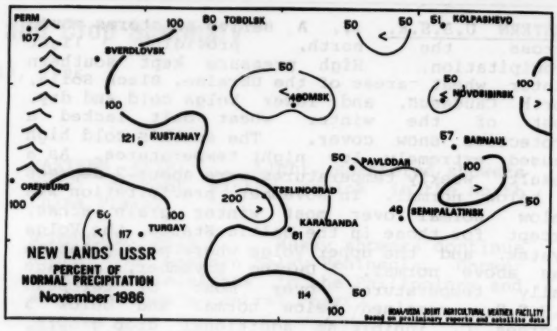
KOLPASHEVO
OMSK
NOVOSIBIRSK
KUSTANAY
BARNAUL
PAVLODAR
ORENBURG
TSELINOGRAD
SEMIPALATINSK
TURGAY
KARAGANDA
NEW LANDS USSR
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
November 1986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PAVLODAR
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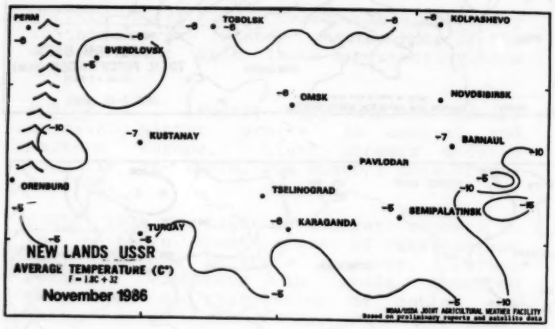
SEMIPALATINSK
TURGAY
KARAGANDA
NEW LANDS USSR
PERCENT OF
NORMAL PRECIPITATION
November 1986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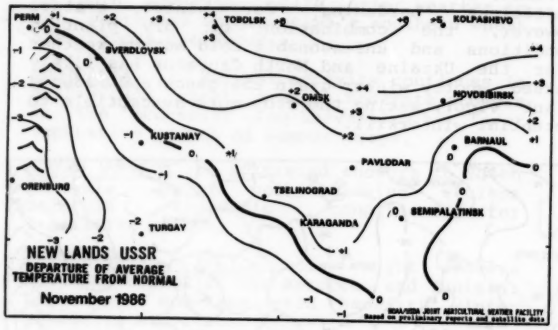
TURGAY
KARAGANDA
NEW LANDS USSR
AVERAGE TEMPERATURE (C°)
F = 1.8C + 32
November 1986


PERM
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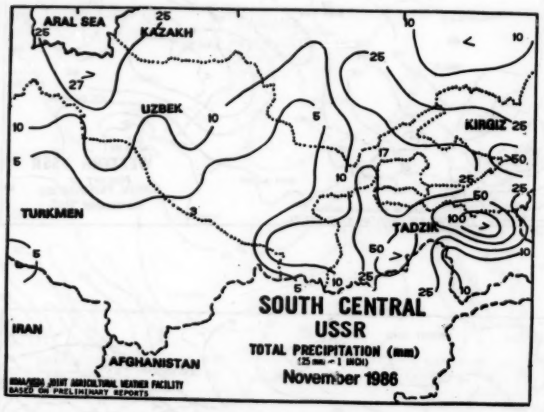
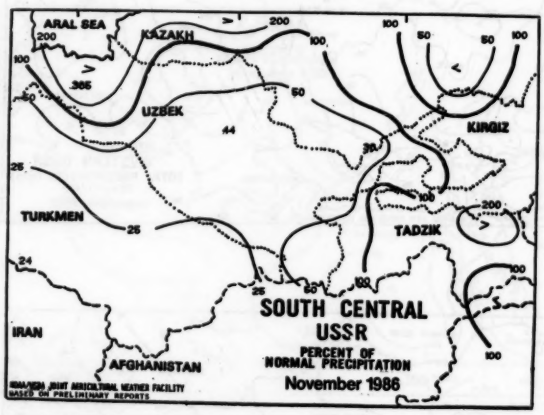
SEMIPALATINSK
TURGAY
KARAGANDA
NEW LANDS USSR
DEPARTURE OF AVERAGE
TEMPERATURE FROM NORMAL
November 1986


ARAL SEA
KAZAKH
UZBEK
KIRGIZ
TURKMEN
TADZIK
IRAN
AFGHANISTAN
SOUTH CENTRAL
USSR
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
November 1986


ARAL SEA
KAZAKH
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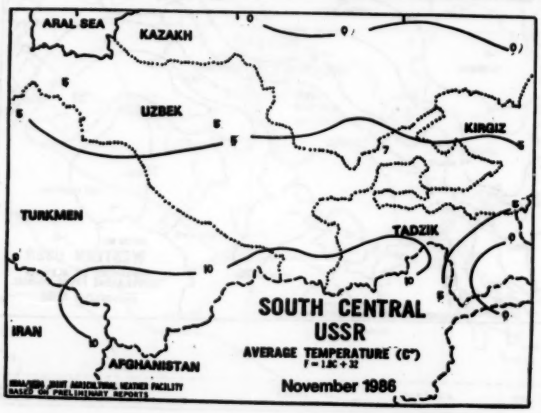
SOUTH CENTRAL
USSR
PERCENT OF
NORMAL PRECIPITATION
November 1986


ARAL SEA
KAZAKH
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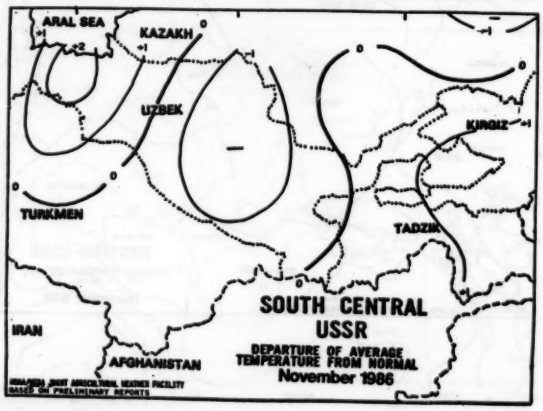
AFGHANISTAN
SOUTH CENTRAL
USSR
AVERAGE TEMPERATURE (C°)
F = 1.8C + 32
November 1986


ARAL SEA
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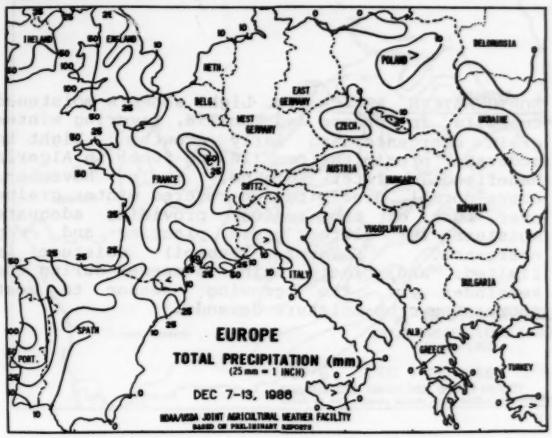
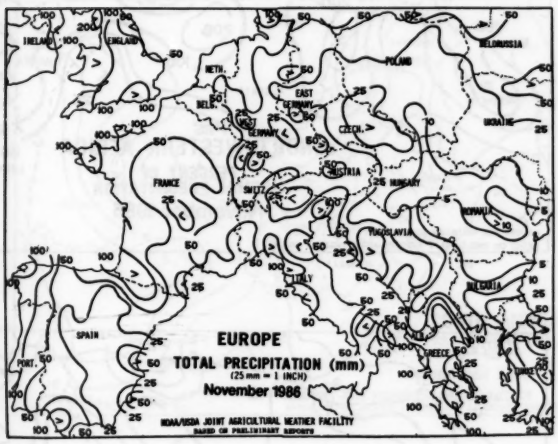
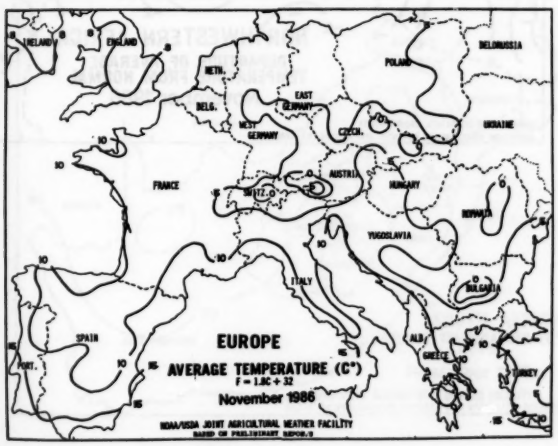
TURKMEN
TADZIK
IRAN
AFGHANISTAN
SOUTH CENTRAL
USSR
DEPARTURE OF AVERAGE
TEMPERATURE FROM NORMAL
November 1986

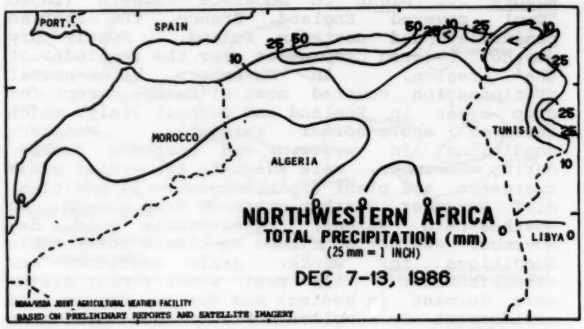
EUROPE ... Light to moderate showers (10 to 50mm) covered England, France, the Iberian peninsula, and northern Poland. Mostly dry weather covered crop areas over the remainder of the region. In November, below-normal precipitation covered most of Europe except for crop areas in England and central Italy, which received above-normal rainfall. Moisture conditions in western and northern Europe, during November, were adequate for winter grain emergence and plant establishment. In addition, mild November weather enhanced crop growth. In southeastern Europe, unseasonable cold, dry November weather continued to create unfavorable conditions for winter grain emergence and establishment. This past week, winter grains were dormant in central and Eastern Europe, and semidormant in England, France, and northern Spain. Subsoil moisture is limited in Spain due to November's below normal precipitation.

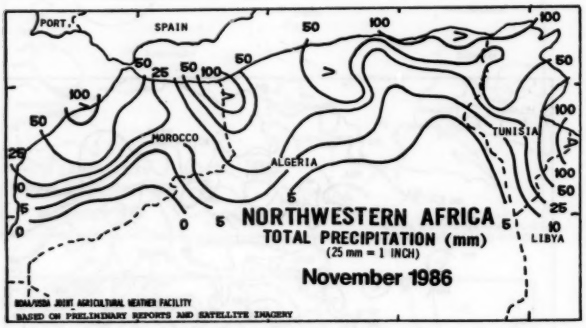


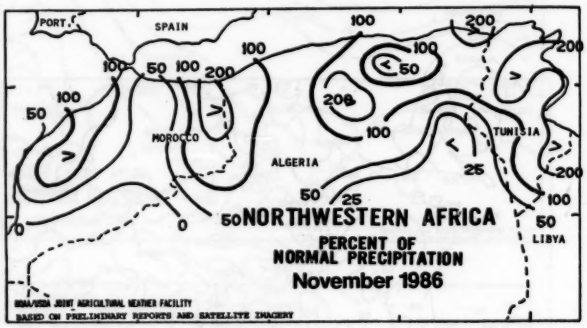


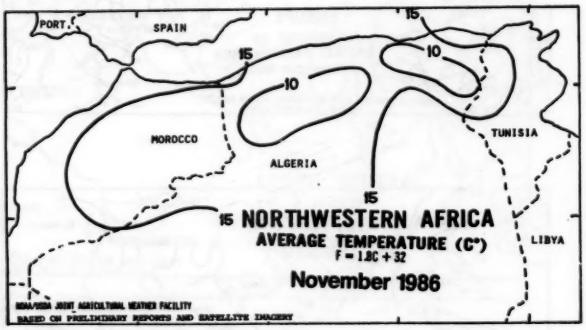


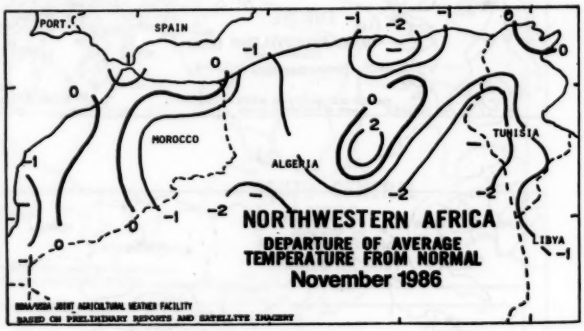
NORTHWESTERN AFRICA ... Light showers moistened topsoils in Morocco and Tunisia, favoring winter grain emergence and early growth. Light to moderate precipitation (10 to 50mm) in Algeria benefited winter grains. In November, above-normal precipitation covered winter grains over much of the region, providing adequate moisture for winter grain planting and crop emergence. However, subsoil moisture is limited, and timely rain is needed during the remainder of the growing season to meet increasing crop-moisture demands.



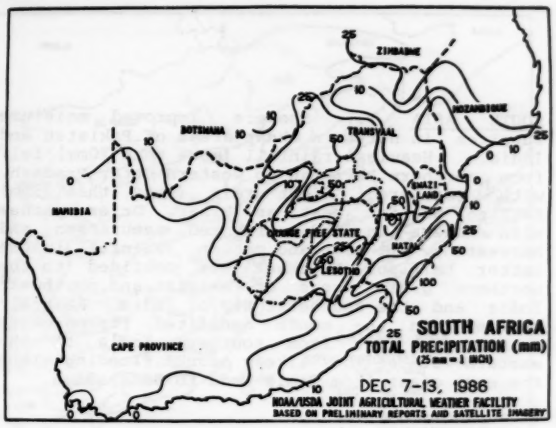


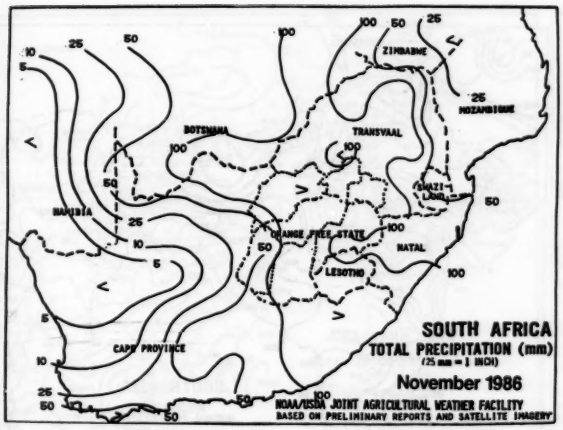


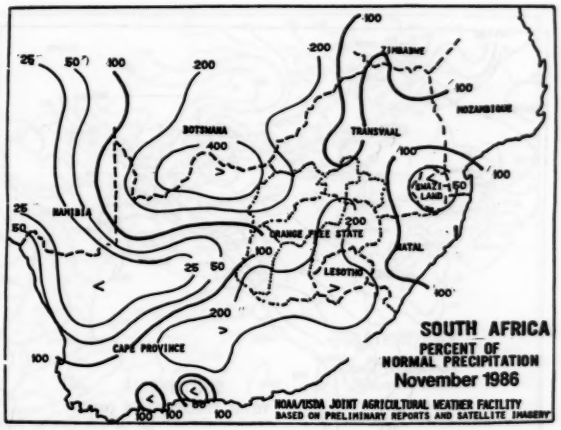


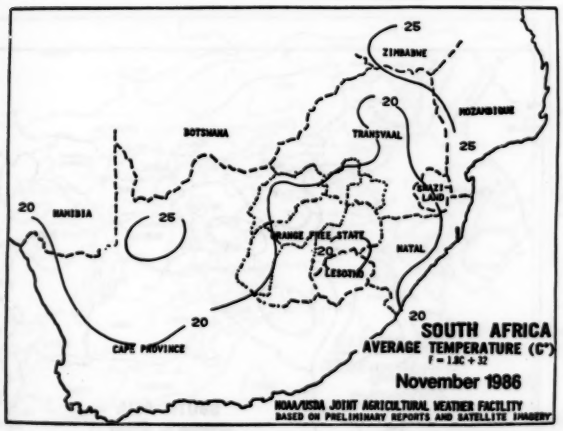


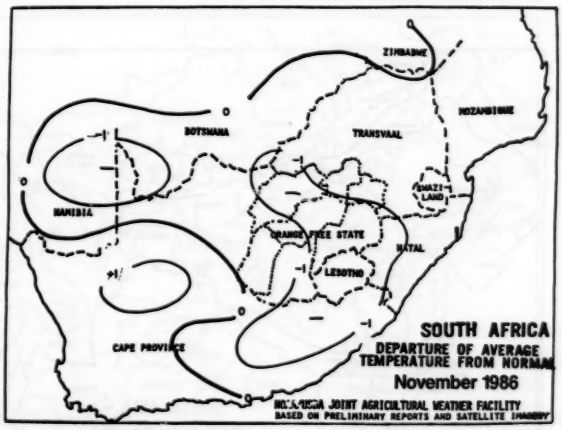
SOUTH AFRICA ... Scattered showers fell throughout South Africa's major corn producing areas, maintaining favorable conditions for vegetative growth. Rainfall was heavy (25 to more than 70mm) in the south-central Transvaal, Natal, and far eastern Cape Province. Light rainfall (less than 10mm) covered Orange Free State and northeast portions of the Transvaal. Dry weather continued in the winter grain areas of southern Cape Province, favoring maturation and harvesting. November rainfall was near to above normal in all major grain areas, except for corn producing regions of southwestern Orange Free State.



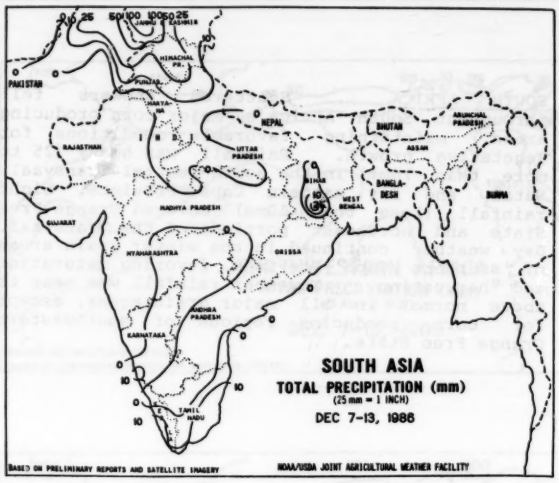


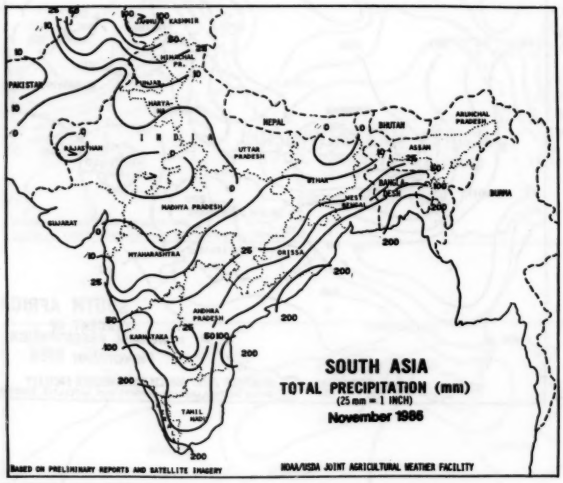


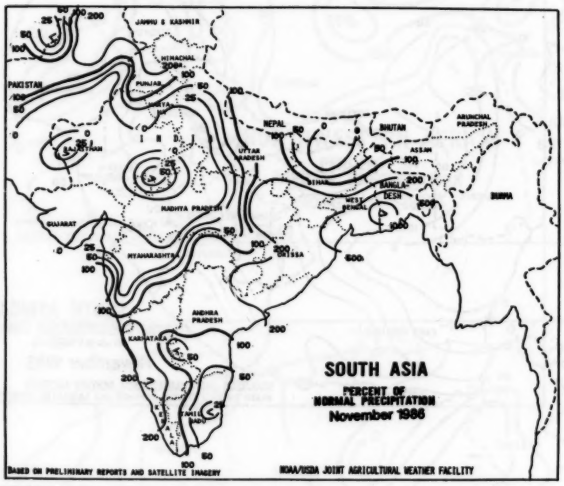


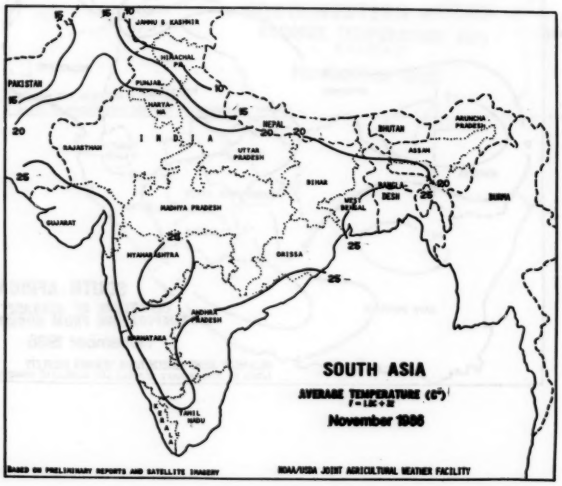


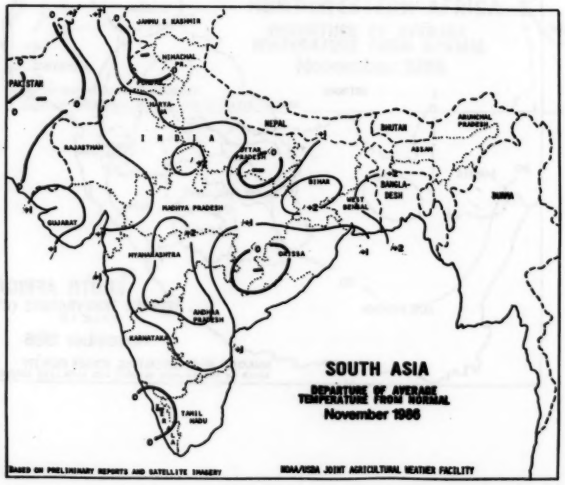
SOUTH ASIA ... Showers improved moisture supplies in northern wheat areas of Pakistan and India. Heaviest rainfall (more than 20mm) fell from northern Pakistan to western Uttar Pradesh, with scattered, light rain (less than 5mm) falling as far east as Bihar. Drier weather else where in India favored maturation and harvesting of rice and cotton. Rainfall in the latter half of November was confined to the northern grain areas of Pakistan and northwest India and the southeast tip of India. Rainfall earlier in the month benefited reproductive cotton and rice from southern India to the eastern states but likely caused flooding along the east coast from Tamil Nadu to Bangladesh.


SOUTH ASIA
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
DEC 7-13, 1986
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

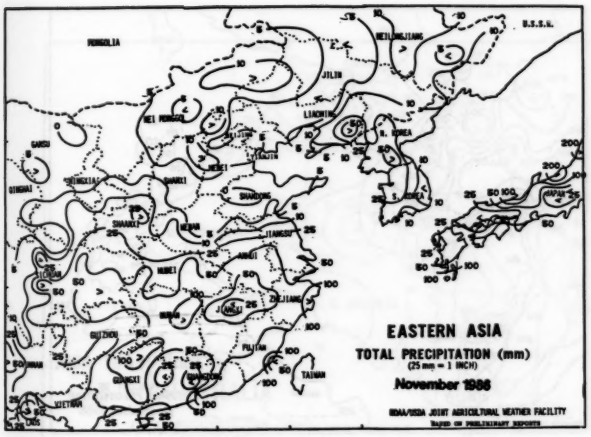

SOUTH ASIA
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
November 1986
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

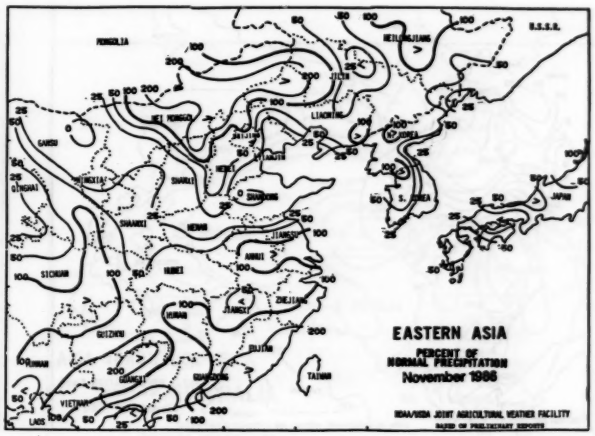

SOUTH ASIA
PERCENT OF NORMAL PRECIPITATION
November 1986
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY


SOUTH ASIA
AVERAGE TEMPERATURE (C°)
F = 1.8C + 32
November 1986
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

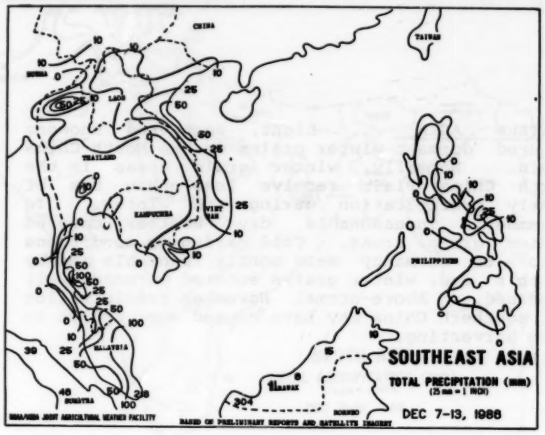

SOUTH ASIA
DEPARTURE OF AVERAGE TEMPERATURE FROM NORMAL
November 1986
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

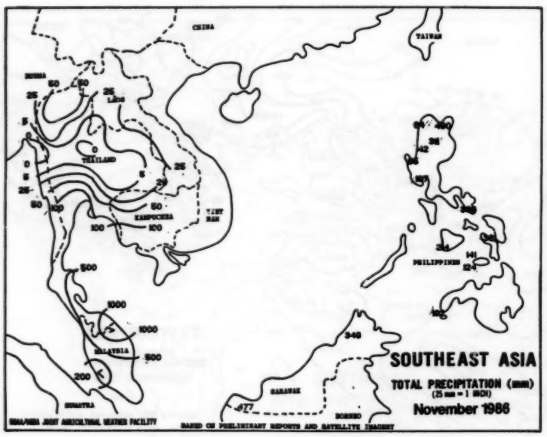
EASTERN ASIA ... Light, scattered showers covered dormant winter grains in the North China Plain. Normally, winter grain areas in the North China Plain receive less than 5mm of weekly precipitation during the winter. In November, unseasonable dry weather covered winter grain areas. Cold hardening conditions prior to dormancy were mostly favorable and by month's end, winter grains entered dormancy well hardened. Above-normal November precipitation in southern China may have caused some delays in rice harvesting.

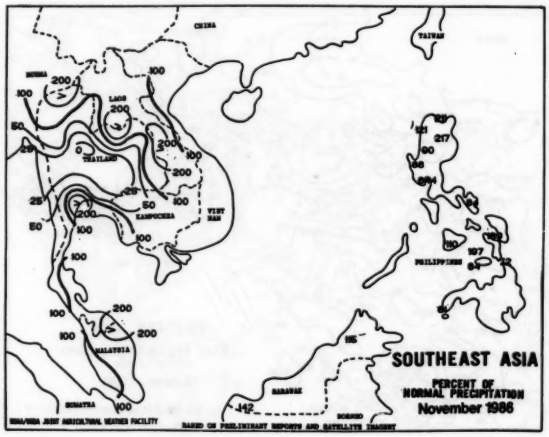


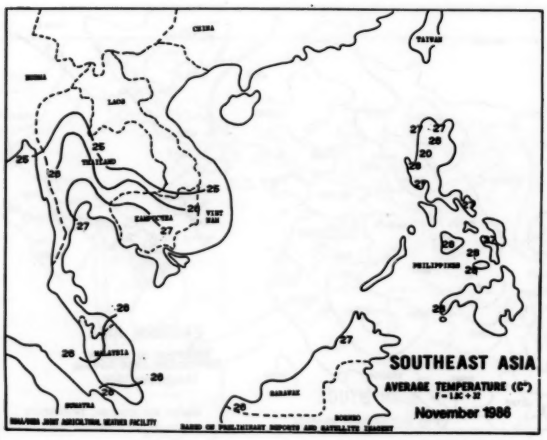


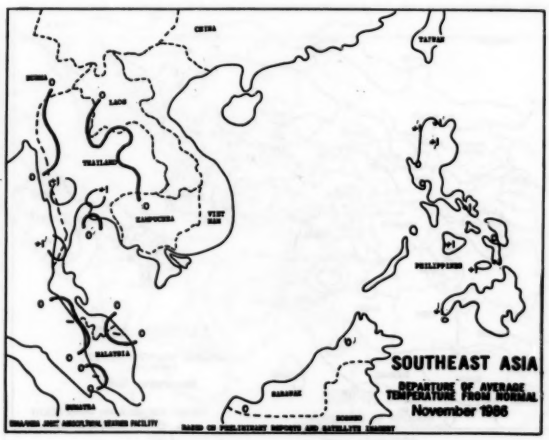
SOUTHEAST ASIA ... Heavy showers (50 to more than 100mm) continued in previously wet areas of the western Malay Peninsula. Flooding has likely occurred in parts of peninsular Thailand and Malaysia, following heavy rainfall over the past 4 weeks. Moderate to heavy showers (10 to more than 50mm) fell along the previously wet Vietnamese coast. Rainfall from Tropical Storms Joe and Ida in mid-November, coupled with recent tropical activity, led to local flooding in central Vietnam in late November and early December. Dry weather continued elsewhere in Indochina, reflecting late November's dry pattern. Dry weather covered the Philippines, in contrast to the wet November weather pattern, aided in part by the passage of Tropical Storm Herbert early in the month.



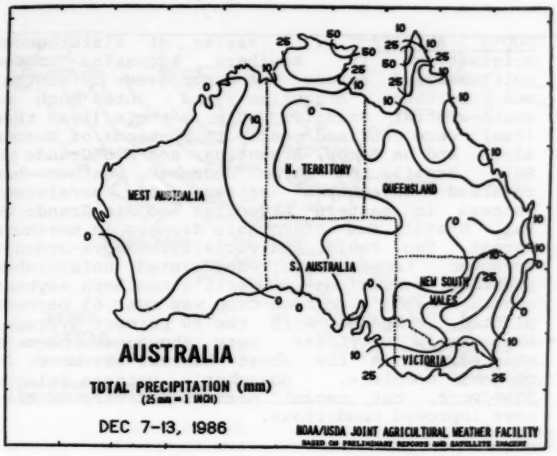


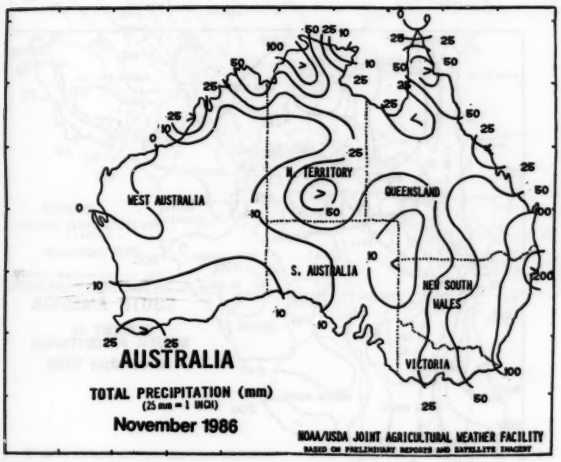


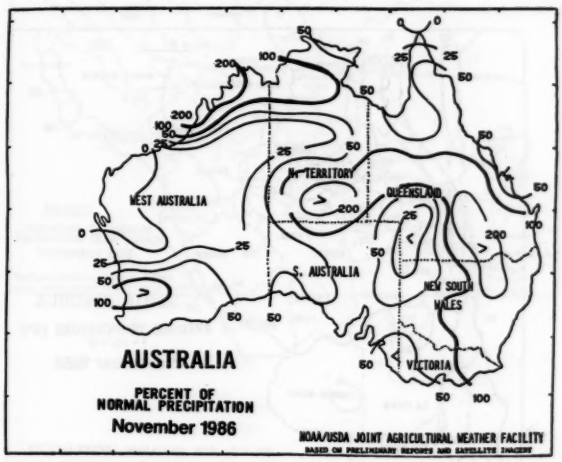


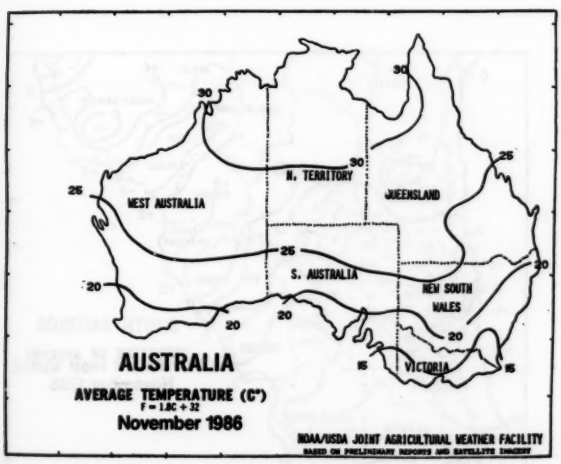


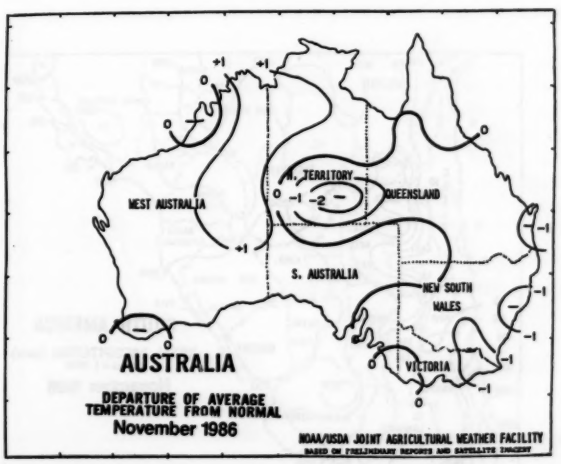
AUSTRALIA ... Following last week's heavy showers, light rain (less than 10mm) fell from Western Australia to southwest New South Wales and Victoria. The drier weather favored maturation and harvesting of wheat. Dry weather continued in Queensland and northern New South Wales, but moderate to heavy showers (10 to more than 40mm) covered southeastern New South Wales, slowing fieldwork in that region. November rainfall was near to above normal in eastern Australia but below normal in Victoria, South Australia, and most of Western Australia's crop area. As a result, temperatures were slightly below normal in the east and above normal elsewhere. More recently, temperatures were below normal throughout the grain belt.



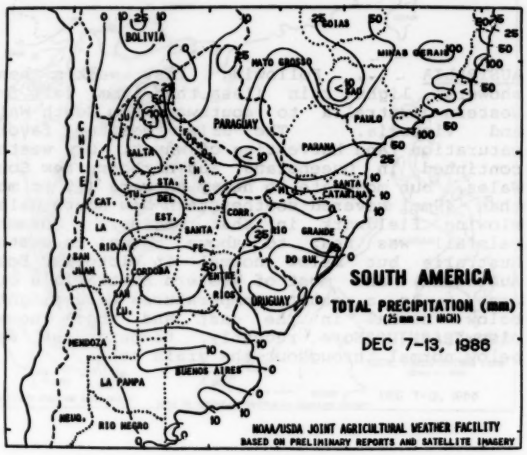




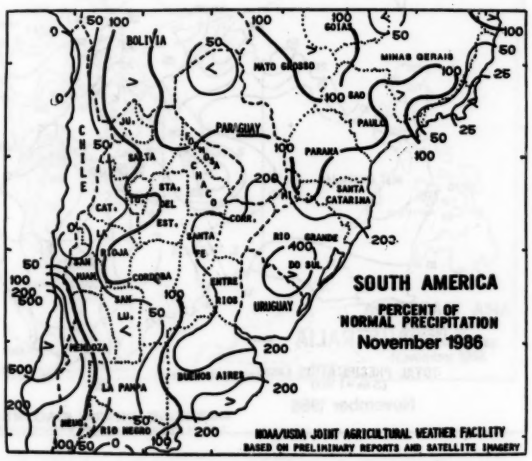


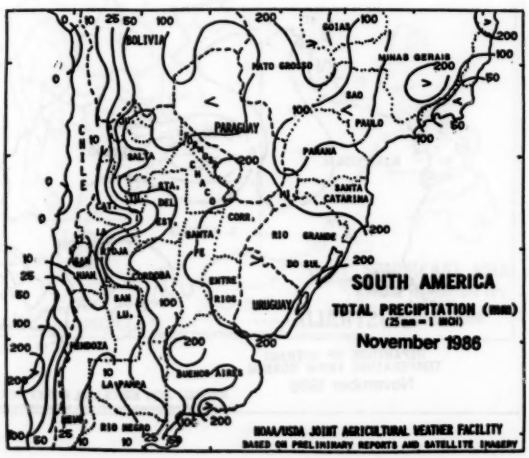


SOUTH AMERICA ... A series of disturbances originating in southern Argentina moved northeastward across the crop areas of central and northern Argentina and into much of south-central Brazil. Dry pockets (less than 10mm) were confined mostly to portions of Buenos Aires and La Pampa, Argentina, and Rio Grande do Sul, Brazil. Early December weather has reversed November's pattern of persistent wetness in eastern Argentina and Rio Grande do Sul, Brazil, and unfavorable dryness in northern Parana, Sao Paulo, and vicinity. Above-average November temperatures aggravated unfavorable planting conditions in Brazil's northern soybean area. Brazil's soybean crop was over 65 percent planted, compared with the 80 percent average. Argentina's soybeans were about 40 percent planted, while the wheat harvest was about 20 percent complete. November's wetness delayed fieldwork, but recent periods of dry weather have improved conditions.


SOUTH AMERICA
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
DEC 7-13, 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY

SOUTH AMERICA
AVERAGE TEMPERATURE (C°)
F = 1.8C + 32
November 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY


SOUTH AMERICA
PERCENT OF NORMAL PRECIPITATION
November 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY


SOUTH AMERICA
TOTAL PRECIPITATION (mm)
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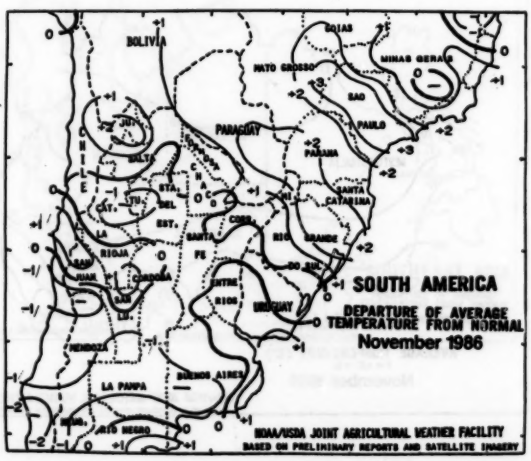
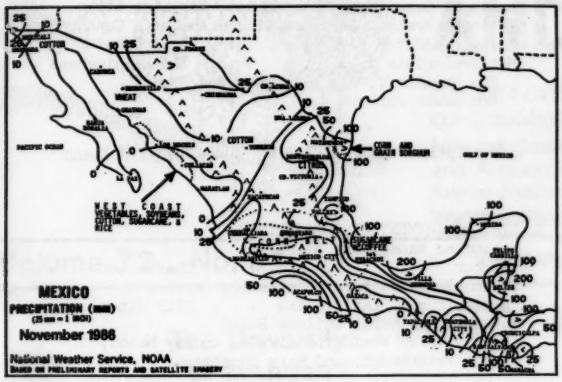
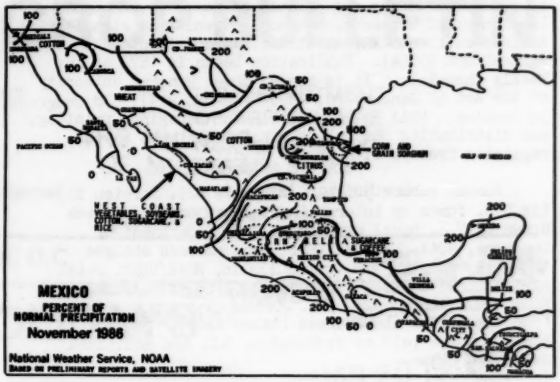
November 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY


SOUTH AMERICA
DEPARTURE OF AVERAGE TEMPERATURE FROM NORMAL
November 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY


MEXICO
PRECIPITATION (mm)
(25 mm = 1 INCH)
November 1986
National Weather Service, NOAA
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY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PERCENT OF
NORMAL PRECIPITATION
November 1986
National Weather Service, NOAA
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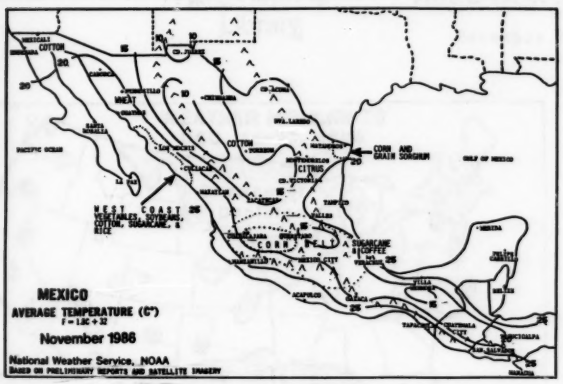
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AVERAGE TEMPERATURE (C°)
F = 1.8C + 32
November 1986
National Weather Service, NOAA
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MEXICO
DEPARTURE OF AVERAGE
TEMPERATURE FROM NORMAL
November 1986
National Weather Service, NOAA
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